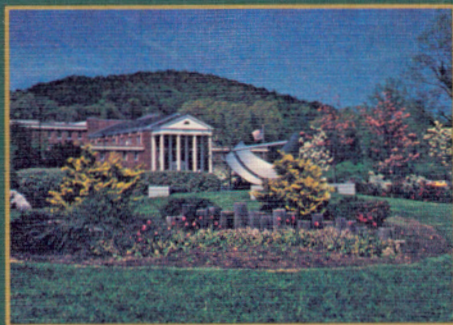


1987-88

Southern Catalog



Southern College
of Seventh-day
Adventists

Collegedale, Tennessee

Southern Facts

Type. Founded in 1892, Southern College of Seventh-day Adventists is a coeducational accredited college owned and operated by the Southern Union Conference of Seventh-day Adventists.

Mission. The college seeks to guide students in developing a personal commitment to excellence in academic achievement, to serving humanity, to understanding cultural diversity, to nurturing a mature personal relationship with Jesus Christ, and to fulfilling the ideals and mission of the Seventh-day Adventist Church.

Location. Seventeen miles east of Ghattanooga, Tenn., in the foothills of the Great Smoky Mountains. Approximately 100 miles north of Atlanta, Ga., 100 miles southwest of Knoxville, Tenn., 130 miles southeast of Nashville, Tenn., and 130 miles northeast of Birmingham, Ala. Interstates 75, 24, and 59 provide easy access. Eastern, Delta, American and Piedmont Airlines provide convenient air service to Lovell Field, less than 10 miles from campus.

Extension campus at Florida Hospital Medical Center, Orlando, Fla.

Environment. Unusually beautiful educational setting, with over a thousand acres of college property. Forested slopes of White Oak Mountain and Bauxite Ridge provide scenic backdrop for carefully landscaped grounds. Abundant outdoor recreational opportunities expanded by proximity to Tennessee River (15 miles) and Great Smoky Mountains National Park (100 miles).

Student Body. Residential campus, with 73% of student body in college housing. 1986-1987: 1,327 students and 1,041 FTE; 59% female; 80.5% White, 10.7% Black, 5.4% Hispanic, 3.1% Oriental; from 41 states, 28 nations.

Faculty. Teaching faculty with emphasis on ability to communicate knowledge effectively, relate to students on a one-to-one basis, and model Christian ideals in a caring atmosphere. Faculty head count, 133 and 89 FTE. Within liberal arts departments, 99% hold advanced degrees, 73% hold highest degree in field.

Student/Faculty Ratio. 11.6 to 1.

Financial Aid. A broad scholarship program, with work central to financial assistance, fulfills Southern's commitment to provide educational opportunities for financially disadvantaged young people. Unduplicated count of students receiving aid, 1,118 (76%). Book value of scholarship endowment, \$3.3 million, current campaign goal \$10 million.

Degrees and Majors. Forty-two baccalaureate majors, 17 associate degree majors, 28 minors, and two one-year certificate programs. Pre-professional programs include dentistry, law, medicine, secondary teaching and others.

Accreditation. Southern Association of Colleges and Schools. SDA Board of Regents. Departments accredited as follows: A.S. and B.S. nursing by the National League for Nursing and the Tennessee Board of Nursing; B.S. in education by the Tennessee State Board of Education, member of the Association of American Colleges, the American Council on Education, the American Association of Colleges for Teacher Education, the National Council of Accreditation for Teacher Education; the National Association for Schools of Music.

Campus and Facilities. Twenty-seven major buildings on the Collegedale campus, including nine classroom buildings with 54 classrooms/laboratories and a recital hall, two residence halls, a physical education center with swimming pool, and an administrative building. Campus church seats 1,850, and houses the Anton Heiller Memorial Organ (4,926 pipes). Broom shop, supermarket and bakery, and The College Press provide student employment.

Student Charges. \$8,426 a year, including tuition, room and board, and estimated expenses.

Telephone.

Collegedale, (615) 238-2111
Admissions office (outside Tenn.) toll free, 1-(800) 624-0350
Orlando, (305) 898-5381

Mailing Address.

Box 370, Collegedale, TN 37315-0370
711 Lake Estelle Dr., Orlando, FL 32803

SC welcomes applications from students regardless of race, sex, religion, color, or national origin whose principles and interests are in harmony with the ideals and traditions of the college as expressed in its objectives and policies.

CONTENTS

Southern Facts	Inside Front Cover
This Is Southern College	5
Academic Policies, Information, and Services	6
Courses of Study	35
Academic Divisions	35
Departments of Instruction	175-176
Allied Health	63
Art	Editor-in-Chief
William M. Allen, Vice President for Academic Administration	44
Christie Smith, Secretary	94
Associate Editor	55
William Whelers, Director, Division of Humanities	74
Westlyne Sahrly, Secretary	98
Editors	99
Kenneth R. Davis, Vice President for Academic Administration	601
Ronald Barrow, Director	611
Mary Elam, Director	621
Division Directors	621
Department Chairman	631
Layout and Cover Design	641
Vivita Sander	651
Doris Burdick, Director of Public Relations	661
Religion	671
Technology	681
General Studies	691

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1987-1988 CATALOG



**Official Record for 1986-1987
Announcements for 1987-1988**

May, 1987

**Published by Southern College of Seventh-day Adventists,
Vice President for Academic Administration**

**Printing by The College Press
Collegedale, Tennessee**

McKEE LIBRARY
Southern College of SDA
Collegedale, TN 37315

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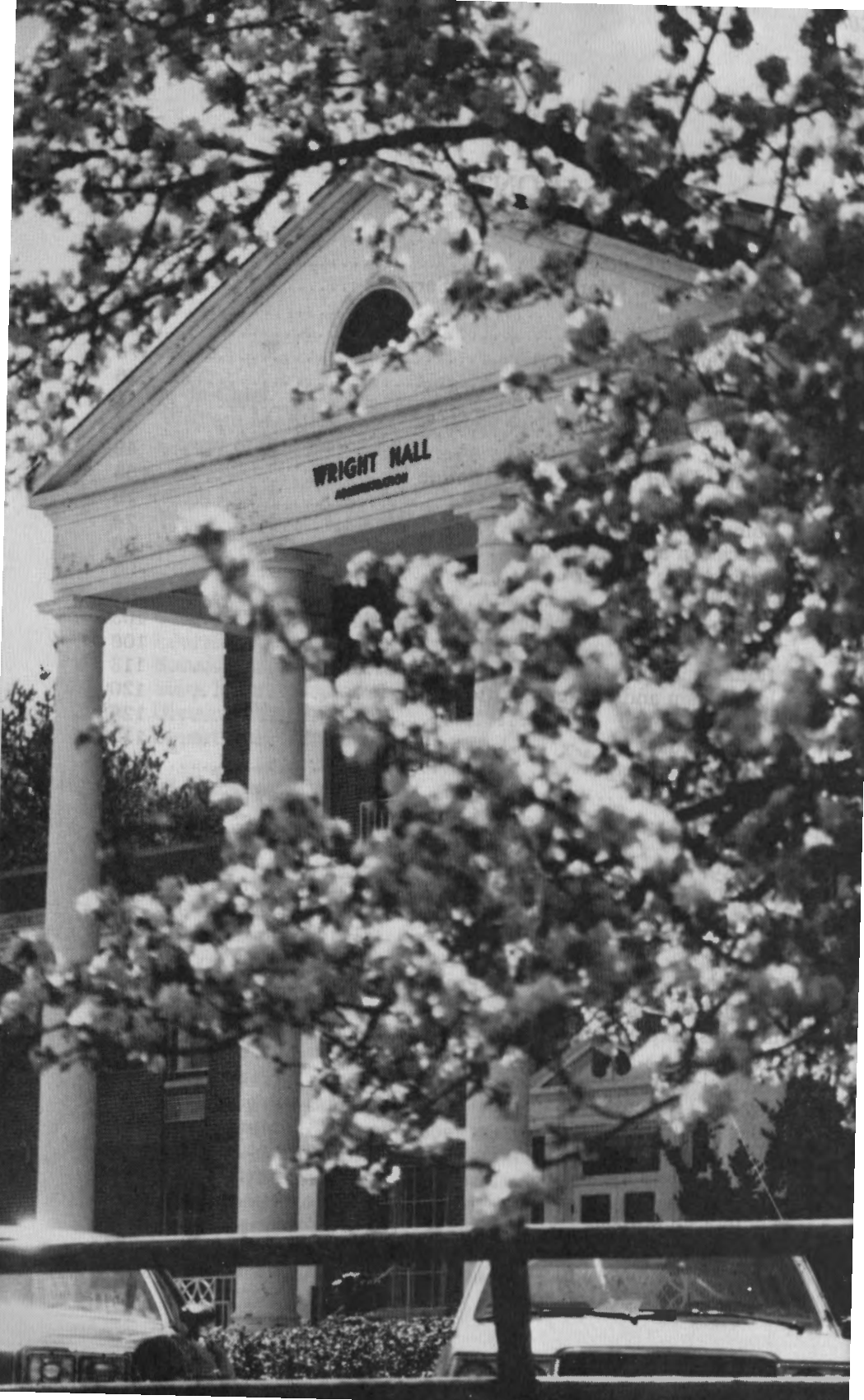
Printing

The College Press
Allen Olsen, Manager

In publishing this catalog, every reasonable effort has been made to be factually accurate. The publisher assumes no responsibility for editorial, clerical, or printing errors. The information presented is, at the time of printing, an accurate description of course offerings, policies, and requirements of Southern College. The provisions of this catalog, however, are not to be regarded as an irrevocable contract between the college and the student. The college reserves the right to change any provision or requirement at any time, without prior notice.

CONTENTS

Southern Facts	Inside Front Cover
This Is Southern College	5
Academic Policies, Information, and Services	9
Courses of Study	35
Academic Divisions	35
Departments of Instruction	36-175
Allied Health	36
Art	41
Behavioral Science	44
Biology	49
Business and Office Administration	55
Chemistry	70
Computer Science	74
Education and Psychology	80
Engineering Studies	96
English	98
Health, Physical Education, and Recreation	103
History	108
Home Economics	113
Journalism and Communication	120
Library Science	128
Mathematics	130
Modern Languages	134
Music	140
Nursing	151
Physics	164
Religion	169
Technology	177
Interdepartmental Programs	181
General Studies	181
Medical Science	181
Non-degree Pre-professional Programs	182
Student Life and Services	189
Admissions, Expenses, and Financial Aid	195
The Registry	223
Principals and Presidents	223
Board of Trustees	224
College Administration	225
Student Directory	228
Advisory Councils	229
Faculty Directory	232
Faculty Committees	241
Index	282
Academic Calendar	Inside Back Cover



WRIGHT HALL
ADMINISTRATION

THIS IS SOUTHERN COLLEGE

Southern College of Seventh-day Adventists is a four-year co-educational institution established by the Seventh-day Adventist Church* primarily to serve its constituents in the southeastern part of the United States. Its purpose is to provide Biblical, liberal arts, professional, pre-professional, vocational, adult studies, and special programs in a Christian setting.

EDUCATIONAL PHILOSOPHY AND OBJECTIVES

The purpose of higher education in the Seventh-day Adventist Church is rooted in a comprehensive theological understanding of humanity in the world. The following is a summary of this understanding:

- (1) Seventh-day Adventists believe that God is the Creator and Sustainer of the earth and its inhabitants. He is the Source of all knowledge.
- (2) Created in the image of God for the purpose of communion with Him, man possessed harmonious physical, mental, spiritual, and social attributes.
- (3) As a result of sin, these attributes were seriously marred, but God in His love provided a redemptive plan for the restoration of His image in humanity, thus preparing man for eternal personal fellowship with God.

In the context of this theological understanding, education is viewed as an essential element of redemption, including an awareness of man's relationship to God and a commitment of service to mankind. Education, consequently, must focus on developing the whole person. Southern College attempts to provide a spiritual, intellectual, social, and physical environment designed to encourage this development through the following specific objectives.

Spiritual

Students are expected to acquire an understanding of the beliefs and value system of Christianity as understood by the Seventh-day Adventist Church. Religious instruction in the classroom, religious convocations, and a variety of opportunities for Christian fellowship and service provide the context in which students are encouraged to make their own commitment to these ideals.

*This college is operated by the Southern Union Conference of Seventh-day Adventists, which is comprised of the churches in the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

This Is Southern College

6

Intellectual

The faculty constitute a fellowship of Christian scholars engaged in a lifelong pursuit of knowledge and wisdom. Academic activities are therefore designed to assist students in achieving intellectual and career goals and in acquiring skills for future learning. A liberal education curriculum is designed to develop critical thinking and expression, intellectual curiosity, aesthetic appreciation, and cultural awareness to help fit students for the realization of their immediate and long-range goals.

Social

Since social maturity is necessary for successful family and community living, Southern College endeavors to provide for the development of healthy interpersonal relations, communication skills, and decision-making abilities in an atmosphere marked by personal concern and acceptance.

Physical

The development of the whole person would be incomplete without attention to physical well-being. Principles of healthful living, including a balanced program of exercise, rest, diet, study, work, and recreation are promoted through instruction, work experience, and recreational facilities.

HISTORY

In 1892 the educational venture that developed into Southern College had its beginning in the Seventh-day Adventist Church in the small village of Graysville, Tennessee. The school became known as Graysville Academy. In 1896 the name was changed to Southern Industrial School and five years later to Southern Training School.

In 1916, because of limited acreage available for further expansion of plant facilities, the school was moved to the Thatcher farm in Hamilton County, Tennessee. The name "Collegedale" was given to the anticipated community. At its new location, the school opened as Southern Junior College and continued as such until 1944 when it achieved senior college status and the name was changed to Southern Missionary College. In 1982 the name was changed to Southern College of Seventh-day Adventists.

SETTING

Southern College's one-thousand-acre Collegedale campus is nestled in a valley eighteen miles northeast of Chattanooga. The quietness and beauty of the surroundings are in keeping with the college's educational philosophy.

Nursing programs are also offered through the Orlando Center at Florida Hospital Medical Center.

This Is Southern College

7

ACCREDITATION AND MEMBERSHIPS

Southern College is accredited by the Southern Association of Colleges and Schools and by the Seventh-day Adventist Board of Regents.

Departments of the college are also accredited by various organizations. The Associate of Science and Bachelor of Science degree programs in nursing, including Public Health Nursing, are accredited by the National League for Nursing as surveyed by the Collegiate Board of Review. The Division of Nursing is an agency member of the Department of Baccalaureate and Higher Degree Programs of the Division of Nursing Education of the National League for Nursing. It is also accredited by the Tennessee Board of Nursing and is recognized by the Florida State Board of Nursing.

The college is approved by the Tennessee State Board of Education for the preparation of secondary, elementary, and early childhood teachers. The Bachelor of Science degree in Education is accredited by the Tennessee State Board of Education. Southern College is also a member of the Association of American Colleges, the American Council on Education, the Tennessee College Association, the American Association of Colleges for Teacher Education, the National Council of Accreditation for Teacher Education (NCATE), and the National Association for Schools of Music.

ACADEMIC PROGRAM

The academic program consists of seven divisions offering forty-two majors and twenty-eight minors in which students may qualify for the baccalaureate degree. Students may pursue programs of study leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Social Work degrees. Seventeen programs leading to an associate degree are also offered. Various pre-professional and terminal curricula are available to students wishing to qualify for admission to a professional school.

Secondary teaching certification is available in eighteen disciplines. A one-year certificate is available in Auto Body Repair. SC also cooperates with Loma Linda University in offering the M.Ed. and M.P.H. degree and with Andrews University in offering the M.S.N. degree.

STUDENTS

Nearly seventy percent of the students of Southern College come from the eight states comprising the Southern Union Conference of Seventh-day Adventists. However, most of the additional states and 25-30 foreign countries are also represented. There are a few more women than men. See the Registry for more details.

Former Southern College students are now serving in the ministerial, teaching, medical, and other services of the Seventh-day Adventist

This Is Southern College

8

Church at home and abroad. Others are engaged in advanced study, business pursuits, government service, research activities, private and institutional medical services, and the teaching professions on all levels.

FACILITIES

The following buildings house the academic activities of the college:

Collegedale Campus

Brock Hall—Art, Business and Office Administration, English, History, Journalism and Communication, Modern Languages, Instructional Media, and WSMC FM90.5

Daniells Hall—Mathematics, Physics, Computer Science

Hackman Hall—Biology and Chemistry

Herin Hall—Nursing

Ledford Hall—Technology

McKee Library

Physical Education Center—Physical Education

Religion Center (So-Ju-Conian Hall)—Religion

Student Center—Computer Center, Student Health Service, Cafeteria, Testing and Counseling Center, Campus Ministry Office, student activity rooms, Teaching Learning Center, K.R.'s Place

Summerour Hall—Behavioral Sciences, Education and Psychology, Home Economics

J. Mabel Wood Hall—Music

Wright Hall—Administration

Other facilities on or near campus that serve student needs:

Collegedale Academy—secondary laboratory school

Collegedale Seventh-day Adventist Church

Charles Fleming Plaza—shopping center with businesses serving the college and community

Recreational Area—tennis courts, a track, playing fields

Spalding Elementary School—laboratory school

Student Apartments

Student Park

Talge Hall—men's residence hall

Thatcher Hall—women's residence hall

Trailer Park

WSMC FM90.5—radio station

Various auxiliary and vocational buildings house college industries and service departments.

Orlando Center

Florida Hospital Medical Center (FHMC)

Linscott Hall—Administration, library

Seventh-day Adventist Church at FHMC

ACADEMIC POLICIES, INFORMATION, AND SERVICES

ACADEMIC POLICIES

PLANNING A COURSE OF STUDY

When planning for college, students should consider in detail the course of study which will lead to their desired profession or occupation. If a firm decision about the choice of life work has not been made before entering college, students may take a general program of study exploring several fields of knowledge during the freshman year. This approach need not result in loss of credits if carefully planned.

The college offers programs of study leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, Bachelor of Social Work, Associate of Science and Associate of Technology degrees, various pre-professional curricula, and one-year occupational certificate programs.

When planning their course work, students should acquaint themselves with the programs of study and graduation requirements outlined in this CATALOG. Freshman students may consult faculty members during the summer months before the beginning of the fall term. Students planning to teach should consult the Department of Education and Psychology so as to include courses in teacher education as a part of their program in order to qualify for denominational and state certification.

Degree candidates are responsible for satisfying all degree requirements. Students may choose to meet the requirements of any one catalog in effect during the period of residency. If students discontinue for a period of twelve months or more, they must qualify according to a single catalog in force subsequent to their return.

Academic Policies

10

GENERAL DEGREE REQUIREMENTS: Baccalaureate Degree

The general degree requirements for a baccalaureate degree are as follows:

- ▶ Satisfactory make-up of admissions deficiencies. (See page 195).
- ▶ A minimum of 124 semester hours with a resident and cumulative grade point average of 2.00 (C) or above.* Students earning the Bachelor of Science degree in Nursing must take 130 semester hours and those earning the Bachelor of Music degree will need 132 semester hours.
- ▶ A minimum of 40 hours of upper division credit, to include at least 14 upper division hours in the major for a B.A. degree and at least 18 upper division hours in the major for all other degrees.
- ▶ Completion of a major and minor (two majors accepted) for a B.A. degree or completion of a major for other degrees with a cumulative grade point average of 2.25 in the major,* completion of the general education requirements, and electives to satisfy the total credit requirements for graduation. Courses completed with grades lower than a "C-" may not be applied on a major or minor.
- ▶ More than one major may be earned provided all courses required for each major and its cognates are completed. Some courses may apply to both majors, but a minimum of 20 hours in the second major must not overlap with those in the first major.

A major and minor, with different names, may be earned in the same department provided all requirements for both are met. Some courses may apply to both, but a minimum of 14 hours in the minor must not overlap with those in the major.

Two emphases of the same major may be earned provided that all requirements for both are met and that 14 hours above the number ordinarily required for the major are earned.

- ▶ Completion of an examination as required by the department.
- ▶ Students wishing to obtain a second degree will need to complete, beyond the 124 minimum hours required, a minimum of 30 hours, including 16 hours upper division, and a new major.
- ▶ Completion of three writing emphasis courses including one in the major field and one outside the major field.

GENERAL DEGREE REQUIREMENTS: Associate Degree

- ▶ A minimum of 64 semester hours and a resident and cumulative grade point average of 2.00 (C) or above. *Nursing majors need 69 semester hours.
- ▶ Completion of a major with a cumulative grade point average of at least 2.00, the general education requirements, and electives to

satisfy the total credit requirements for graduation. Courses completed with grades lower than "C-" may not be applied on a major.

- ▶ Students who have completed one associate degree and who wish to obtain another associate degree may do so upon completion of the curriculum prescribed for the second degree. The work completed for the second degree must include at least 24 hours in residence over and above the number of hours earned for the first degree. If the second associate degree is earned subsequent to the first associate degree, the requirements for the second degree will be governed by the provisions of the CATALOG in effect at the time the student re-enters the college for work toward the second degree.
- ▶ Students who wish to obtain an associate degree at the time they receive a baccalaureate degree may do so if the degrees are in different fields. If requirements for an associate and a baccalaureate degree in the same field are completed at the same time, only the higher degree will be conferred.

ONE-YEAR CERTIFICATE REQUIREMENTS

- ▶ A minimum of 32 semester hours which meet the requirements of a specific one-year program.
- ▶ A resident and cumulative grade point average of 2.00 (C) or above. Grades in the technical area below "C-" will not be accepted.

GENERAL REQUIREMENTS: Minor

- ▶ A minimum of eighteen semester hours of which six must be upper division credit.

CLASS STANDING

Freshmen	0-23 semester hours
Sophomores	24-54 semester hours
Juniors	55-93 semester hours
Seniors	94- semester hours

Eligibility for class office requires a grade point average of 2.25 and a good citizenship record.

*For educational certification, the minimum grade point average (GPA) of 2.5 must be met both in education and in the field of certification. In elementary education, a GPA of 2.25 is required in cognate courses. The music major requires a GPA of 2.25 both in applied music and other music courses. The nursing major requires a GPA of 2.25 in cognate courses as well as in the major. The medical technology major requires minimum grades of C- and a minimum average of 2.25 in the major and cognates.

Academic Policies

12

GRADUATION REQUIREMENTS

Degree Candidacy: A student may become a degree candidate when he enters upon the school term during which it will be possible to complete all requirements for graduation. Formal application for graduation must be made during the fall registration of the senior year.

Dates of Graduation: The date of graduation will be (a) the date of commencement for those graduating at the close of each semester or (b) for others, the last day of the month in which graduation requirements are met. There will be a commencement ceremony in December and in May for the 1987-88 school year. In subsequent years there will be only one commencement ceremony, in May.

Transcripts: Before a student will be allowed to graduate, transcripts of all correspondence and transfer credits must be received at the Office of Records.

Participation in Graduation Exercises: Students are allowed to participate in commencement exercises only if they have completed all the courses they need for graduation.

In Absentia Policy: Seniors who are enrolled at Southern College during the semester in which the commencement exercise is held are to be present for the ceremony or an *in absentia* fee of \$40 will be levied.

Deferred Graduation: Students ordinarily are allowed to graduate under the requirements of the CATALOG of the year in which they enter the college or of any subsequent year in which they are in attendance provided they do not discontinue attendance for twelve months or more. Students who are studying for a baccalaureate degree and fail to graduate within six calendar years (four years for an associate degree), must plan to conform to the current CATALOG.

RESIDENCE REQUIREMENTS

Baccalaureate Degree: Thirty semester hours of credit must be completed in residence immediately preceding the conferment of the baccalaureate degree. These hours must include 16 upper division, with eight upper division in the major and three upper division in the minor fields.

Associate Degree: Twenty-eight semester hours of credit must be completed in residence immediately preceding the conferment of the associate degree. Sixteen of these hours must be in the major area of study.

Certificate Programs: Eighteen semester hours of credit must be completed in residence immediately preceding the conferment of a one-year certificate.

Transfer Credit: Unless prior arrangements were made with the Vice President for Academic Administration, the college will not accept

transfer credit earned at another college or university during any session the student was simultaneously enrolled at Southern College.

UPPER DIVISION CLASSES

Students must complete forty semester hours of 100 and 200 level courses (lower division) before enrolling in a 300 or 400 level course (upper division). **The English composition and mathematics requirements must be met before enrollment in upper division classes.**

GENERAL EDUCATION

It is an awesome task to distill from the accumulated human experience those stories, histories, thoughts, and skills which can be transmitted in a classroom setting and at the same time contribute maximally and positively to the student's own experience. The choices are many, and competition for inclusion is intensive. Yet degree programs do necessitate a certain amount of structure so choices have to be made. Each department is allowed a great deal of freedom in choosing requirements for the major area of specialization. However, the faculty have chosen certain experiences, known as general education requirements, to which they feel all degree candidates should have some exposure.

Underlying all general education requirements are the basic academic skills of English and mathematics. Proficiency in these skills is essential to the transmission of much of the human experience.

The faculty of Southern College chooses without apology the religious experience as fundamental to a correct understanding of all of man's other experiences. The religious experience embodied in the teachings of the Seventh-day Adventist Church has been chosen to be transmitted to the students. It is recommended as enabling, enriching, and uplifting.

One builds the present and future upon the past, therefore, it is necessary that one have a historical perspective. A society which allows its members a voice in shaping its political, social and economic institutions can survive only if these citizens are well versed in mankind's history and cognizant of experiences, past and present, with these institutions.

Language, literature, and the arts give expression to thoughts and feelings. Acquaintance with these modes of communication enriches the life through more effective expression of one's thoughts and feelings and through better understanding and appreciation of the thoughts and feelings of others.

A study of the natural sciences develops an inquiring attitude toward one's environment. It provides individuals with empirical and rational methods of inquiry and an awareness of both the potential and the limitations of science and technology in solving problems.

Social units ranging from the individual through the family, church,

Academic Policies

14

communities, and nations exert a tremendous influence upon one's life. A study of those units and the conditions which affect them positively or adversely contributes to individuals' adjustment within their society and their opportunity to improve both themselves and society.

Creative, practical, and recreational skills provide exercise, relaxation, and a sense of well-being and accomplishment. They provide a wholesome and healthy diversion from heavy academic programs and from work responsibilities later in life.

GENERAL EDUCATION REQUIREMENTS

Semester Hours
Assoc. Bach.

AREA A. BASIC ACADEMIC SKILLS

All Area A courses must be completed before upper division work is undertaken. Upper division transfer students may take Area A requirements concurrently with upper division classes.

1. English

3-6 6-9

ENGL 101 is required for an associate degree; ENGL 101 and 102 for a bachelor's degree. Students with ACT English score below 13 must take ENGL 099 before enrolling for ENGL 101.

2. Mathematics

0-3 0-3

Students with a Math ACT score below 22 must take one of the following: MATH 103, 104, 114, 215. MATH 099 is required of all students with a Math ACT score below 12.

AREA B. RELIGION

6 12

Transfer students must take 3 hours for each year or part thereof in attendance at an SDA college with a minimum of 6 hours. Bachelor's degree students must take at least three hours from each of the sub-areas.

1. Biblical Studies

All RELB courses.

2. Religion

All RELT courses; RELP 455. (Only one of RELT 317, 318, 424, will apply.)

AREA C. HISTORY, POLITICAL AND ECONOMIC SYSTEMS

Students with less than one secondary school credit for World History must in-

clude one of the following: HIST 174, 175, 364, 365, 374, 375, 386 or 389.

- | | | |
|--|---|---|
| 1. History | 3 | 6 |
| All HIST courses. | | |
| 2. Political and Economic Systems | | 3 |
| All PLSC courses; GEOG 204 (elementary education majors only); GEOG 306, ECON 213, 224, 225. | | |

AREA D. LANGUAGE, LITERATURE, FINE ARTS 2 9

Bachelor's degree students must include at least 2 hours in each of 3 sub-areas (2 sub-areas if required to take 6 hours of foreign language). Students entering Southern College who have less than two secondary school credits of foreign language and who are pursuing a Bachelor of Arts degree must complete the elementary level of a foreign language.

1. Foreign Language
FREN 101-102, 211-212; GRMN 101-102, 211-212; SPAN 101-102, 211-212, 344; RELL 271-272, 311-312, 471-472.
2. Literature
All ENGL literature courses; all SPAN literature; MDLG 304.
3. Music and Art Appreciation
HMNT 205; MUHL 115, 215, 314, 315; ART 218, 318, 344, 345.
4. Speech
SPCH 135, 136, 236.

AREA E. NATURAL SCIENCE 3-6 6-9

Bachelor's degree students must take at least 3 hours from each of 2 sub-areas. Only one of the following may apply: BIOL 424, PHYS 317, 318. Students who have less than two secondary school units in science must take 3 hours of science above the usual requirements; e.g. associate degree students must take 6 hours and bachelor's degree students must take 9 hours.

1. Biology
BIOL 101-102, 103, 104, 125, 155-156, 226, 314, 424.

Academic Policies

16

Semester Hours
Assoc. Bach.

2. Chemistry
CHEM 111-112, 113-114, 151-152, 203.
3. Physics
PHYS 107, 155, 211-212, 213-214, 317, 318.
4. Earth Science
ERSC 105, 106.

AREA F. BEHAVIORAL, FAMILY, HEALTH SCIENCES

2 5

Bachelor's degree students must include at least 2 hours in each of 2 sub-areas.

1. Behavioral Science
All PSYC courses except 326; all SOCI courses except 223, 365; SOCW 221, 222, 316, 375; EDUC 217, 427.
2. Family Science
HMEC 146, 147, 201, 202, 313; BUAD 128, SOCI 223, 365; PSYC 233.
3. Health Science
HLED 173, 203; FDNT 125.

AREA G. ACTIVITY SKILLS

3 6

Associate degree students may take a maximum of 2 hours in any sub-area; bachelor's degree students may take a maximum of 3 hours in any sub-area. All students must take at least 1 hour from G-3.

1. Creative Skills
All MUPF courses; ART 104-105, 109, 110, 215, 235; ENGL 314; CRTF 112, 225, 312.
2. Practical Skills
ACCT 103, 121-122; AUTO 223; CPTR 105, 106, 107, 120, 125, 127, 131, 132, 217, 218; CLTX 164, 165, 166; HMEC 244, 345; FDNT 126, 127, 317; TECH 145, 149, 154, 164, 174, 349, 364; SECR 104, 105, 114, 115, 214, 218; LIBR 125; EDUC 250.
3. Recreational Skills
All PEAC courses; PETH 261. All PEAC courses will be graded on a pass/fail basis.

ADDITIONAL BACHELOR'S DEGREE REQUIREMENTS

1. Forty upper division hours.
2. Three writing-emphasis classes. These classes are identified by a "(W)" following the course name, e.g., History of the South (W), in the divisional listings. One such class must be in the student's major field and one must be outside the major field.

SOUTHERN SCHOLARS (Honors Program)

The honors program is designed for students who bring to their baccalaureate studies a high degree of motivation and intellectual curiosity. Special projects, interdisciplinary studies and designated honors courses provide a challenging and intellectually stimulating educational experience. Degrees of depth and breadth are attained in this experience beyond those normally attained in regular baccalaureate studies.

The program is administered by an honors committee. This committee admits students to the program and discontinues honors status of those who fail to maintain minimum program standards. Its members also advise individual Southern Scholars and continually monitor their progress.

Eligible students will be invited to become Southern Scholars during registration. Freshmen are eligible if they have a high school GPA of 3.70 or higher. Other students must have completed at least thirty-one and at most sixty-two semester hours with a cumulative GPA of 3.50 or higher.

To continue as Southern Scholars, students must complete a minimum of twelve credits each semester and thirty-one credits each calendar year. They must also enroll in appropriate honors sequence courses, receive a grade of B (3.00) or higher in each honors sequence course and maintain a minimum cumulative GPA of 3.50. All honors students are expected to graduate within a four-year period unless extenuating circumstances justify an extension by the honors committee.

Ordinarily, all courses of the honors sequence must be taken in residence. Limited exceptions may be made by the honors committee in the case of transfer students. Students already enrolled at Southern College who wish to take classes at another institution must secure prior approval from the honors committee.

After successfully completing one year in the honors program, a Southern Scholar will be eligible to audit one class per semester without charge. In addition, upper division students who have maintained their participation in this program for at least one year will receive a \$500 tuition scholarship.

Academic Policies

18

HONORS STUDIES SEQUENCE

A. General Education

Honors students must meet regular general education requirements with the following stipulations:

1. Area B-2. One of the following courses must be selected: BIOL 325, PHYS 317, PHYS 318.
2. Area D-1. Foreign language competency must be attained at the intermediate level.
3. Area D-2. One of the following courses must be selected: ENGL 445, MDLG 304.
4. Area D-3. HMNT 205 must be selected.
5. Area E. MATH 115 or MATH 215 and one of the following science sequences must be selected: BIOL 155-156; CHEM 151-152; PHYS 211-212 with PHYS 213-214.

B. Honors Seminar

HMNT 451, 452, a sequence of eight lectures, one each month, September through April. Taken during the junior or senior year.

C. Project (2-3 hours, Directed Study)

A significant interdisciplinary project demonstrating an understanding of the relationship between the student's major field and some other discipline. Directed study research, writing, special performance, appropriate to the major in question. The honors committee expects the project to be of sufficiently high quality to justify public presentation. The project must be approved by the honors committee in consultation with the student and his supervising professor.

GRADUATION WITH HONORS

Students graduating with a cumulative GPA of 3.50 or above will have the degree conferred as follows: 3.50-3.74, *cum laude*; 3.75-3.89, *magna cum laude*; 3.90-4.00, *summa cum laude*. The appropriate designations will appear on the diploma. Students completing the honors program will, in addition to the above designation, be graduated as Southern Scholars.

HONOR ROLL/DEAN'S LIST

At the conclusion of each semester of the school year, students who have carried a minimum of 12 semester hours and who have attained the following grade point averages will be included in the honors group indicated.

- | | |
|------|---------------------------|
| 3.25 | Honor Roll |
| 3.50 | Dean's List |
| 3.75 | Distinguished Dean's List |

MAJOR AND MINOR REQUIREMENTS

Southern College offers 42 majors and 28 minors for students wishing to qualify for a baccalaureate degree. Each major consists of thirty hours or more in the chosen field of specialization of which a minimum of fourteen for a Bachelor of Arts degree and eighteen for all other Bachelor's degrees must be upper division credit. The total semester hours required for each major for the Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Social Work degrees varies with the field of specialization chosen.

All minors consist of eighteen semester hours. Six hours of a minor must be upper division credit.

The specific requirements for majors and minors are given under the respective disciplines in the section "Courses of Study."

BACHELOR DEGREE PROGRAMS

Majors offered for the Bachelor of Arts degree are:

Art	Journalism - News Editorial
Biology	Mathematics
Chemistry	Music
Computer Science	Physics
English	Public Relations
French	Psychology
German	Religion - Ministerial
History	Religion - Non-Ministerial
International Studies	Spanish
Journalism - Broadcasting	

Majors offered for the Bachelor of Science degree are:

Behavioral Science -	Health, Physical Education
Family Studies	and Recreation
Behavioral Science -	Health Science
Sociology	Home Economics
Biology	Long-Term Health Care
Business Administration	Mathematics
Chemistry	Medical Technology
Computer Science	Nursing
Elementary Education	Office Administration
Food Service Administration	Physics

Majors offered for the Bachelor of Business Administration are:

- Accounting
- Computer Information Systems
- Management

The Bachelor of Music degree is available to students planning to major in music with special emphasis in music education. The detailed

Academic Policies

20

requirements for this professional degree are outlined under the Department of Music.

The Bachelor of Social Work degree is available to students planning on a career in social work. The detailed requirements are outlined under the Department of Behavioral Science.

Minors are offered in most majors and emphases as well as the following:

Biblical Languages	Practical Theology
Foods and Food Service	Technology

ASSOCIATE DEGREE PROGRAMS

Southern College offers the following associate degrees:

Accounting	Nursing
Allied Health (3 areas)	Office Administration
Computer Science	(3 areas)
Engineering Studies	Pre-Dietetics
Food Service	Pre-Health Information
General Studies	Administration
Home Economics	

Complete details of course requirements for the associate degrees are outlined in the descriptions in the bulletin section "Courses of Study."

ONE-YEAR CERTIFICATE PROGRAMS

The college has one-year certificate programs in the following areas:

- Auto Body Repair (Technology)
- Food Service Production (Home Economics)

Requirements for these programs are given in the appropriate departmental sections of this CATALOG.

PRE-PROFESSIONAL CURRICULA

Southern College offers pre-professional and pre-technical programs in a wide variety of fields which may prepare students for admission to professional schools or to enter upon technical careers. Below are listed the pre-professional curricula offered at Southern College.

Anesthesia	Occupational Therapy
Dental Hygiene	Optometry
Dentistry	Osteopathic Medicine
Dietetics	Pharmacy
Law	Physical Therapy
Medical Technology	Public Health Science
Medicine	Veterinary Medicine

An A.S. degree in Allied Health is available to students who spend two or more years at Southern College while fulfilling pre-professional requirements in the allied health fields of Dental Hygiene, Dietetics, Medi-

cal Records Administration, Occupational Therapy, Physical Therapy, Radiology Technology, and Respiratory Therapy. Pre-professional and technical admission requirements may vary from one professional school to another. The student is, therefore, advised to become acquainted with the admission requirements of the chosen school.

Detailed requirements for non-degree pre-professional curricula are outlined by department or in the section on "Interdepartmental Programs," (See Index).

ACADEMIC INFORMATION

REGISTRATION

Students are expected to register during the scheduled registration periods designated in the school calendar. The registration process is complete only after all procedures have been met and registration forms are returned to the Office of Records. Freshmen are required to participate in the orientation activities.

Late Registration. Permission to register late must be obtained from the Director of Records. Students failing to register during the scheduled registration periods will be assessed a late registration fee of \$25.00. The course load of a late registrant will be reduced by one to two semester hours for each expired week of instruction. No student may register after two weeks of the semester have elapsed.

Changes in Registration. To avoid changes in registration the student should carefully consider the program of courses necessary to meet his/her objectives. To avoid subsequent adjustments, a balance should be maintained between the course load, work program, and extracurricular activities.

To make program changes the student must obtain the appropriate change of registration voucher at the Office of Records. After obtaining the necessary signatures indicating approval of the change, the student must return the form to the Office of Records. Course changes and complete withdrawals from the school become effective on the date the voucher is filed at the Office of Records. A fee of \$10.00 will be assessed for each change in program after the first week of instruction.

A student may not change from one course section to another without the approval of the instructor.

A student may withdraw from a class up to two weeks after mid-term and receive a grade of "W" automatically. A student withdrawing from a class after that up to two weeks before the last day of classes will be assigned a grade of "W" or "WF" by the teacher. The grade for any withdrawal after that will automatically be "F."

Auditing Courses. With the approval of the department, students may

Academic Information

22

register on an audit basis in courses (other than private lessons) for which they are qualified. Auditors are to be admitted to classes of limited enrollment only if there are places after all students who wish to enroll for credit have been accommodated. Class attendance is expected but examinations and reports may be omitted. With the approval of the instructor, a student may change a course registration from audit to credit or from credit to audit only during the first week of instruction. No credit is given for courses audited, and the fee is one-half of the regular tuition charge.

COURSE LOAD

College courses are expressed in semester hours at Southern College. A semester hour consists of one fifty-minute class period per week for one semester. Thus, two-semester-hour classes meet two hours a week and three-semester-hour classes meet three hours a week. A laboratory period of two and one-half to three hours is equal to one class period. Students should expect to study between one and one-half and two hours outside of class for each fifty-minute period the class meets. Thus a sixteen-semester-hour class load should require forty or more hours of study each week on the part of the student. Except by permission of the Vice President for Academic Administration, a student may not register for more than eighteen semester hours.

To qualify for a baccalaureate degree in four years, a student must average between fifteen and sixteen hours per semester. The summer term may be used to advantage by students wishing to complete degree requirements in less than four years or by students having to take reduced programs of studies during the regular academic year.

Study-Work Program. It is exceedingly important that the student adjust the course load to achieve a reasonable balance in study and work. During registration the student should confer with his adviser in planning the proper balance of study and work. In determining an acceptable study-work program, the following will serve as a guide.

Course Load	Maximum Work Load
16 hours	16 hours
14 hours	20 hours
12 hours	26 hours
10 hours	32 hours
8 hours	38 hours

FULL-TIME STUDENT

Students enrolled for twelve or more semester hours and students in the last semester of their senior year who are taking all the courses required for graduation (but no fewer than eight semester hours) will be classified as full-time students. The completion of nine or more semester

hours will constitute full-time enrollment for the summer. Students receiving financial aid should consult the Student Finance Office for the definitions of a full-time student set up by the various agencies which offer aid.

GRADING SYSTEM

Mid-semester and semester grade reports are issued to the student and parents of students termed "dependent" for income tax purposes. Only semester grades are recorded on the student's permanent record.

The following system of grading and grade point values is used:

A 4.0 grade points per hour	D 1.0 grade points per hour
A- 3.7 grade points per hour	D- 0.7 grade points per hour
B+ 3.3 grade points per hour	F 0.0 grade points per hour
B 3.0 grade points per hour	W Withdrawal
B- 2.7 grade points per hour	WF Withdrew Failing
C+ 2.3 grade points per hour	(0.0 grade points per hour)
C 2.0 grade points per hour	AU Audit
C- 1.7 grade points per hour	I Incomplete
D+ 1.3 grade points per hour	P Pass

A student may receive an "I" (incomplete) because of illness or other unavoidable delay. Students who are eligible for an incomplete must secure from the Office of Records the proper form and file the application with the teacher to receive an incomplete. **Any incomplete which is not removed by the end of the following term (Fall, Spring, Summer) will automatically become an "F."**

A course in which the student received a grade of "C," "D," or "F" may be repeated before he takes a more advanced course in the same field. Only the last grade will be counted on repeated courses. No course may be repeated more than once without permission from the Vice President for Academic Administration.

The grade point average is calculated by dividing the total number of grade points earned by the hours attempted.

STUDENT RECORDS

A student's record is regarded as confidential, and release of the record or of information contained therein is governed by regulations of the federal law on "Family Educational Rights and Privacy." Only directory information, such as a student's name, address, telephone listing, birthplace and date, major fields of study, participation in officially recognized activities and sports, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended, may be released by the institution without consent of the student unless the student has asked SC to withhold such information.

Parents of students termed "dependent" for income tax purposes are

Academic Information

24

entitled to access to the student's educational records. The law also provides for the release of information to College personnel who demonstrate a legitimate educational interest, other institutions engaged in research (provided information is not revealed to any other parties), and certain federal and state government officials.

A student may inspect and review records and is entitled to challenge the content of records.

A more thorough explanation of records may be obtained from the Office of Records. The Director of Records will further explain and clarify the Family Educational Rights and Privacy Act to students, parents, or interested parties upon request.

ACADEMIC HONESTY

Morally and spiritually, Southern College is dedicated to scholastic integrity. Consequently, both students and faculty are required to maintain high ethical, Christian levels of honesty.

Faculty Responsibilities:

1. Teachers must explain clearly the requirements for assignments, examinations, and projects, such as "open book," "take home," or "peer collaboration."

2. Teachers may assume "no collaboration" is the rule unless they state otherwise.

Student Responsibility:

1. Students assume responsibility for learning the proper procedures for acknowledging borrowed wording, information, or ideas. Otherwise students might innocently misrepresent others' material as their own.

2. Students unfamiliar with procedures for citing sources should confer with their teacher.

3. Students are to assume all course work is "no collaboration" unless stated otherwise by the teacher.

Departmental Policies:

Some departments, because of the nature of their programs, have additional honesty policies which have the same force as those published here. Such policies will be presented to students before implementation.

Procedures for Handling Academic Dishonesty:

1. When a teacher suspects academic dishonesty in some form, such as cheating or plagiarizing, the teacher must first confront the student with the dishonesty. If the student and teacher cannot resolve the situation, or if the student's grade will be affected, then the Vice President for Academic Administration must be consulted.

2. In established instances of academic dishonesty, the usual procedures for the teacher to follow will be to:

- a. Give the student a failing grade on the exam, assignment or project if the magnitude of either is not sufficient for failing the class.
- b. Give the student a failing grade in the class if failing the exam, assignment or project would constitute failing the class.

The teacher will then write up the incident and state the penalty administered, giving a copy to both the Vice President for Academic Administration and the student.

3. Two incidents of academic dishonesty make a student eligible to be dismissed from college. However, the student may then appeal the action through the established appeal procedures.

ACADEMIC PROBATION AND DISMISSAL

When for any reason a student's Southern College or cumulative grade point average falls below 2.00, the student will be placed on academic probation and restricted from holding office in any student organization or being a member of any touring group. Those on academic probation will not be allowed to participate in academic activities causing class absences.

Any baccalaureate senior with a grade point average of less than 2.25 in his major will also be placed on academic probation. Candidates for an associate of science degree must have a grade point average of at least 1.95 before being accepted for their final year and at least 2.00 after attempting 53 or more semester hours. Candidates for a one-year certificate must have at least a 2.00 average at the end of the second semester of enrollment. No more than one additional semester of enrollment will be permitted. If the 2.00 grade point average is not then reached, the student will be dismissed.

Transfer students must have a grade point average of at least 2.00 in order to be eligible for regular admission to Southern College.

A student will be subject to academic dismissal when the Southern College or cumulative grade point average fails to reach the levels indicated below. The academic record will be reviewed by a committee, and the Vice President for Academic Administration will notify the student in writing of the committee's decision.

Semester Hours Attempted	G.P.A./Subject to Dismissal
6-48	1.50
49-64	1.65
65-80	1.75
81-93	1.85
94-116	1.95
117-up	2.00

A student academically dismissed may not be readmitted until two sessions (for this purpose the summer is counted as one session) have elapsed. Eligibility for readmission shall include successful college-

Academic Information

26

level work taken in another institution or other evidence of maturity and motivation.

In order to be eligible for financial aid, the recipient must maintain satisfactory academic progress. Satisfactory academic progress is defined as maintaining a cumulative and resident grade point average of 2.0. If a student does not maintain satisfactory academic progress, fails to attend classes, prepare and submit required classwork, or take required examinations, financial aid will be suspended.

If a student whose financial aid has been suspended for any of the above reasons feels that unusual and unavoidable circumstances led to this suspension, the suspension may be appealed to the Academic Progress Committee. This policy is generally applied to financial aid from institutional and private sources as well as federal programs.

RIGHT OF PETITION

Students who believe there is a valid reason for requesting variance from or exception to an academic policy stated in the CATALOG may make a petition to the Vice President for Academic Administration for consideration of their case after obtaining the advice and signature of the department chairman of their major. The petition must contain a statement of the request and supporting reasons. Students will be notified in writing by the Vice President for Academic Administration of the action on petitions within five working days. Petition forms are available from the Records Office.

GRIEVANCE PROCEDURE

Students who believe that their academic rights have been infringed upon or that they have been treated unjustly with respect to their academic program are entitled to a fair and impartial consideration of their cases. They should do the following to effect a solution.

1. Present the case to the teacher or teachers concerned.
2. If necessary, discuss the problem with the department chairman.
3. If agreement is not reached at this level, submit the matter to the Vice President for Academic Administration.
4. Finally, ask for a review of the case by the Grievance Committee, chaired by the Vice President for Academic Administration or his designee and including three other faculty members and two students selected by the Academic Affairs Committee. Both the student and the teacher involved in the case are entitled to appear before the committee or to present a written statement of the case. The decision of the committee shall be presented in writing to the individuals involved within three days of the committee meeting unless a later time is agreed upon by both parties. The decision of the committee is binding and will be implemented by the teacher involved or the Vice President for Academic Administration.

ABSENCES

Class. Attendance at class and laboratory appointments is required. Absences are dealt with in two ways. Teachers may excuse absences themselves or ask their students to submit excuses to the Absence Committee. Students are told at the beginning of each semester which of the two means will be used in the class.

Generally speaking, absences will not be excused by either a teacher or the Absence Committee for reasons other than illness, authorized school trips, or emergencies beyond the student's control. Absences due to illness are not normally excused unless the student contacts Student Health Service prior to the absence. Non-emergency medical appointments must not interfere with the class program.

For classes in which the Absence Committee is used, a completed absence excuse form (one for each class) must be placed in the absence box, located in the Student Center, no later than noon the first Monday following the absence. Absence forms are available at the Student Center, library, switchboard, and residence halls. The Absence Committee determines whether or not to excuse the absence and so notifies the teacher of its decision.

Students having absences exceeding in number* twice the number of course credit hours (six absences for a three-hour credit course) may, at the teacher's discretion and after consultation with the Vice President for Academic Administration, be dropped from the class.

Make-up work is not normally allowed in the case of homework or quizzes missed due to absences. Teachers have the option of recording homework and quiz averages if the absence is excused. Tests and major assignments missed because of excused absences are made up as arranged with the teacher.

Examination. Because of problems concerning time, expense and fairness, final examinations are rarely rescheduled. Students desiring to reschedule final examinations must obtain a request form from the Vice President for Academic Administration, fill it out completely, make two additional copies and submit all three copies to the teacher involved. The teacher will approve or deny the request, return one copy to the student and send one to the Vice President for Academic Administration. If approved, the rescheduled examination will be given at a time convenient to the teacher and a fee of \$40 per examination will be assessed. The \$40 fee will be waived in cases of illness verified by Student Health Service or a physician, death in the immediate family, or three or more examinations scheduled for one day.

Chapel. The chapel service is provided for the spiritual and cultural benefit of the college family, to promote the interests of Southern Col-

* One and one-half absences are given for missing a 75-minute class, two for missing a 100-minute class, etc.

Academic Information

28

lege, and to develop and conserve a spirit of campus unity. The chapel attendance policy is the same as for class attendance in that no absences are permitted except for illnesses, authorized school trips, or emergencies. An excuse must be presented at the office of the Vice President for Student Affairs within 48 hours after the absence. It is the responsibility of the students to keep track of their chapel absences. Students are allowed four unexcused absences from chapel per semester. Additional unexcused absences can result in a student's being placed on Citizenship Probation. A continued absence problem is cause for dismissal. A satisfactory chapel attendance record is required for readmission.

A special chapel/orientation program is scheduled during the fourth summer session.

WAIVER EXAMINATIONS

Upon the approval of the department chairman and the Vice President for Academic Administration, students may obtain a waiver of curricular requirements by successfully completing a comprehensive examination—written, oral, manipulative, or otherwise, as determined by the division involved. A fee of \$40 per examination is charged.

NONTRADITIONAL COLLEGE CREDIT

In addition to credit earned in the traditional classroom setting, Southern College accepts credit earned by two other means—challenge examinations and correspondence courses.

The goals and objectives of the college emphasize not only facts and concepts but also values and attitudes which are not easily transmitted through correspondence courses or measured by examinations. These values and attitudes can best be developed by the student's interacting over a period of time with peers and teachers committed to moral excellence, critical thinking, and the pursuit of truth. For this reason, most college credits should be earned through class participation. However, the college will permit a maximum of one-fourth of the credit required for a given degree to be earned by these nontraditional means.

College Credit by Examination. The college recognizes three types of examinations for credit: challenge examinations prepared by a division which must be passed at "B" level or above, approved College Level Examination Program (CLEP) subject examinations which must be passed at the 65th percentile or above, and the Advanced Placement Examinations which must be passed with a score of three or better. A student may challenge a given course by examination only once. No CLEP or challenge exam may be attempted after the student has been enrolled in that course beyond the second week of a semester. **No course may be challenged as part of the last thirty hours of any degree.** Grades are recorded for departmental challenge examinations and scaled scores are recorded for nationally normed examinations. Permission to take a

challenge examination while in residence must be obtained from both the department chairman and the Vice President for Academic Administration.

Credit for challenge and/or validation examinations will not be placed on a student's permanent record and is, therefore, not transferable until that student has successfully completed twelve semester hours in residence at Southern College.

Fees charged for challenge examination and credit are listed under "Special Fees and Charges" in the financial section of this CATALOG.

Additional information concerning challenge examinations may be obtained from the Office of Records or the Counseling and Testing Center.

Correspondence. A maximum of twelve semester hours of correspondence or extension credit may apply toward a baccalaureate degree program and eight hours toward an associate degree.

Home Study International of Washington, D.C., is the officially recognized correspondence school. Southern College recommends Home Study International for those students needing correspondence credit and accepts all such credits when the study program is approved by the college prior to enrollment.

A student will be permitted to carry correspondence work while in residence only if the required course is unobtainable at the college. Correspondence courses, whether taken while in residence or during the summer, must be approved in advance by the college.

Correspondence work may not apply on the upper division requirements of the major or minor. A minimum grade of "B" must be earned to apply on the lower division requirements for a major. Correspondence credit with a "D" grade is unacceptable and a course in which the student earned a grade of "D" or "F" while in residence may not be repeated by correspondence. No correspondence credit will be entered on the student's record until he has earned a minimum of twelve hours in residence with an average of at least "C." Official transcripts must be in the Office of Records before a diploma will be ordered. The graduation date will be the last day of the month after the official transcript is received.

TRANSCRIPTS

Official transcripts of a student's academic record may be obtained by the student upon a written request to the Office of Records. The request must include the student's signature and payment of \$2.00 in cash, check, or money order for each transcript ordered. Same-day service is available for \$5.00. Because of legal difficulties, telephone requests from students or written requests from other members of the student's family cannot be honored.

Academic Enrichment Services

30

A student may receive an unofficial transcript for evaluative purposes without charge by applying in person at the Office of Records. Official transcripts given directly to a student will be stamped "Student Copy." No transcript will be issued for a student whose account is not paid in full or who is delinquent in payment of student loans. **No exceptions will be made.**

SEQUENCE OF COURSES

A student may not receive credit for a course which is prerequisite to a course for which he has already received credit.

COURSE NUMBERS

Each course number consists of three figures as follows:

The first numeral indicates class year status as follows:

- 0 — remedial (Institutional credit only)
- 1 — freshman level (lower division)
- 2 — sophomore level (lower division)
- 3 — junior level (upper division)
- 4 — senior level (upper division)

Within a given 100 sequence there is no necessary significance in one course number being higher than another. For instance, 265 does not necessarily mean that the course is on a higher level than 235.

Course numbers that stand alone represent courses of one semester which are complete units. Course numbers separated by a comma represent complete units, either one of which may be counted for graduation without reference to sequence.

Course numbers separated by a hyphen are two-semester courses in which credit for the first course is a prerequisite to the second. However, credit may be given for the first semester when taken alone.

ACADEMIC ENRICHMENT SERVICES

E. A. ANDERSON LECTURE SERIES

The E. A. Anderson Lecture Series is an annual feature of the business curriculum. The series is made possible by the generosity of E. A. Anderson of Atlanta, Georgia, for the purpose of giving the student a broader understanding of the business world.

The public is invited to attend the lectures free of charge; however, for a fee, continuing education credit is available. All lectures are presented at 8 p.m. in the E. A. Anderson Business Seminar Room, Brock Hall, Room 338.

EUGENE A. ANDERSON HEILLER ORGAN CONCERT SERIES

The Anderson Heiller Organ Concert Series was initiated in 1986 to provide world-class organ concerts. These concerts and workshops are presented by foremost organists from throughout the world. Selected performances are broadcast internationally on "Pipe Dreams."

The series is made possible through the generosity of Eugene A. Anderson of Atlanta, Ga., for the education and enjoyment of the students and the public. Because of its uniqueness, this series attracts organists and other fine arts enthusiasts from all areas of the country.

The Anton Heiller Memorial Organ, a 70-stop 108-rank tracker, was dedicated in the Collegedale Seventh-day Adventist Church in April 1986. A second instrument, a mean-tone organ with two manuals and 13 stops, is housed in Ackerman Auditorium. Both were built by John Brombaugh and Associates of Eugene, Ore.

FLORENCE OLIVER ANDERSON LECTURE SERIES

Each year the Nursing Department at Southern College of Seventh-day Adventists brings nationally recognized experts in the health field on campus to address the professional community.

Southern College believes education to be a dynamic lifelong process and is committed to providing professional nurses with continuing education opportunities, as well as exposing student nurses to the importance of self-initiated education.

This series of seminars is dedicated to excellence in nursing and is made possible by the generosity of the late Florence Oliver Anderson.

CHAMBER MUSIC SERIES

Ackerman Auditorium in J. Mabel Wood Hall is the setting for the Sunday evening Chamber Music Series. Each semester two or three artists and/or ensembles provide a variety of listening experiences for students, faculty, and the community. Artists are chosen in such a fashion that over a four-year period a student can become acquainted with most types of chamber music.

HUMANITIES/PERSPECTIVES FILM SERIES

Christian education involves the teaching of discretion in society: how to appreciate human culture while being critical of its content and direction. These films series, sponsored by the Division of Humanities and Religion Department, seek to provide films of a serious, mature, informative, educational, and entertaining nature. They are intended to augment the educational experience of students at the college level.

The films in these series have been chosen for their societal impact, historical importance, inspirational depth, classical significance, and informative value. Critical notes are provided to strengthen the student's awareness of certain elements in the films.

Academic Enrichment Services

32

INSTRUCTIONAL MEDIA

The Instructional Media Service serves the college administration, faculty, staff, and students. The full-time staff includes a director, secretary, and service technician.

LIBRARIES

McKee Library provides both print and nonprint educational materials for the students and faculty of the college. Open stacks, pleasant areas to read or study, current periodicals, and a large microform collection contribute to the enjoyment of learning. Special collections in the library include the Curriculum Library, a collection of elementary and secondary education materials; Seventh-day Adventist Heritage Collection, books and materials by SDA authors and about the Seventh-day Adventist Church, pictures, periodicals, archive material; the Dr. Vernon Thomas Memorial Civil War and Abraham Lincoln Collection, books, letters, manuscripts, newspapers, pamphlets, pictures, paintings, maps, and artifacts of this period in American History.

The 10,000 volume extension library at the Orlando Center is well-known throughout central Florida as an outstanding nursing material resource center.

The combined collection of these libraries contains approximately 180,000 volumes. Approximately 1,000 periodicals are currently received which include a large number of titles kept permanently on microform. McKee Library has an online computerized card catalog. The library is a charter member of Ohio College Library Center and Southeastern Library Network automated systems.

The facility has been in use since 1970, and provides seating for 400, including 300 individual study carrels. Computer terminals and electric typewriters are available for student use.

MARINE BIOLOGICAL STATION

Southern College is affiliated with Walla Walla College in the operation of a marine biological station, located at Rosario Beach on Fidalgo Island in the Puget Sound of the state of Washington. The Station provides facilities for undergraduate and graduate students to take courses and do research during the summer term and for year-round research. The close proximity to the biological spectrum from sea bottom to Alpine tundra provides a unique opportunity for instruction and investigation.

PRESIDENT'S LECTURE SERIES

Initiated in 1985, the President's Lecture Series brings speakers of national or international prominence to the Southern College campus. The lecturers address both the general public and the campus community. Lecturers for 1985-86 were:

- 1985-86 Rosalyn Yalow, Physicist, Nobel Laureate
- 1985-86 Chaim Potok, Author, *The Chosen* and other works
- 1986-87 Alan Collins, Sculptor
- 1986-87 Charleton Gajdusek, M.D., Nobel Laureate

STALEY CHRISTIAN SCHOLAR LECTURE SERIES

The Thomas F. Staley Foundation provides the Department of Religion with funds for a speaker to come on campus once a year. This individual is the speaker for a chapel service, usually holds a table-talk session during the lunch hour at the cafeteria, and serves as guest lecturer at several religion classes. Recent lecturers have been:

- 1984—Jay E. Adams, Scholar, Author (22 books), Teacher. From Westminster Theological Seminary, Calif.
- 1985—Carl F. H. Henry, Editor of *Christianity Today* 1956-1968, Scholar, Author (28 books), Lecturer for World Vision International.
- 1986—Myron S. Augsburger, President of Eastern Mennonite College and Seminary, Evangelist of Inter-Church Crusades. Author, Scholar. Moderator of the General Assembly of the Mennonite Church 1983-1985.
- 1987—Haddon W. Robinson, Director of Dallas Youth for Christ 1952-1955, Professor at Dallas Theological Seminary 1970-1979, President of Denver Seminary. Scholar, Author.

WSMC FM90.5

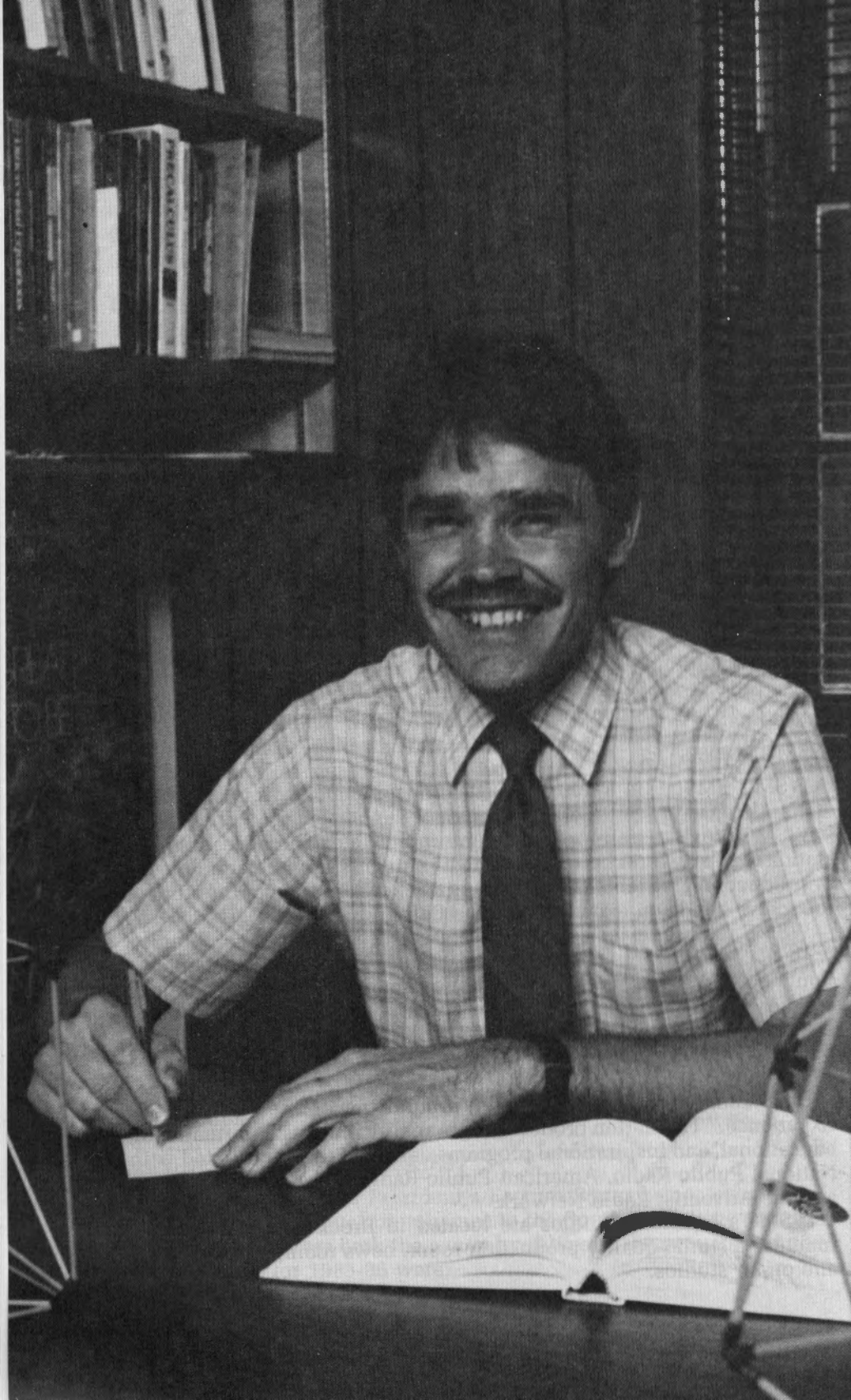
WSMC FM90.5 is a 100,000 watt, noncommercial, fine arts radio station licensed to Southern College.

WSMC provides training for students in the field of broadcasting. The station regularly hires between 10 and 15 students as on-air announcers, or production assistants. The station is an excellent way for the student to receive hands-on experience in the field of broadcasting.

WSMC represents the college to the greater Chattanooga community, with a coverage area including a 100-mile radius of Chattanooga. Founded in 1961, it is the oldest noncommercial fine arts station in southeastern Tennessee. WSMC was the first radio station in a seven-state region to receive satellite capability. The station also exists as an outreach of the college—striving to enhance the quality of life in the community.

Programming on WSMC revolves around the phrase "The Classic Experience." The station produces high-quality fine arts, informational, educational, and inspirational programs daily. WSMC is affiliated with National Public Radio, American Public Radio, the Associated Press, and the Adventist Radio Network.

WSMC's broadcast studios are located in Brock Hall. The facility includes a studio-quality production room, news room, music library, and on-air studios.



COURSES OF STUDY

ACADEMIC DIVISIONS

For administrative purposes, the departments of instruction are organized into divisions. The divisions serve to foster interdepartmental activities and unite departments which are part of the same general field of knowledge. Listed below are the divisions with their various departments, directors, and associated programs. The Division of Adult Studies and Special Programs has no courses of its own, but coordinates continuing education conventions and workshops and operates the Conference Center.

ADULT STUDIES AND SPECIAL PROGRAMS	 Dean Kinsey
BUSINESS AND TECHNOLOGY	
Business and Office Administration	 Wayne VandeVere
Technology	 John Durichek
HUMAN DEVELOPMENT	
Behavioral Science	 Ed Lamb
Education and Psychology	 Gerald Colvin
Health, Physical Education, and Recreation	 Phil Garver
Home Economics	 Diane Fletcher
Library Science	 Peg Bennett
HUMANITIES	
Art	 Robert Garren
English	 David Smith
History	 William Wohlers
Journalism and Communication	 Bill Oliphant
Modern Language	 Helmut Ott
Music	 Marvin Robertson
NURSING	 Katie Lamb
RELIGION	 Gordon Hyde
SCIENCE	
Allied Health	 Stephen Nyirady
Biology	 Stephen Nyirady
Chemistry	 Steven Warren
Computer Science	 Tim Korson
Engineering Studies	 Lawrence Hanson
Mathematics	 Lawrence Hanson
Physics	 Ray Hefferlin

ALLIED HEALTH

Stephen Nyirady, Ph.D., Chairman

Steve Warren, Ph.D., Pre-Dental Hygiene, Pre-Occupational Therapy

Marcella Woolsey, Ph.D., Pre-Physical Therapy

Henry Kuhlman, Ph.D., Medical Technology

The Allied Health Professions are rapidly growing areas of specialization within the health care industry. Job openings are plentiful and pay scales are comparable to other professionals in health care. The department offers a B.S. degree in Medical Technology and an A.S. degree in Allied Health (Pre-Dental Hygiene, Pre-Occupational Therapy, Pre-Physical Therapy).

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

The Bachelor of Science degree with a major in medical technology, consists of three years of prescribed study at Southern College and a 12- to 13-month senior year in a hospital-based medical technology program accredited by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association. Hospital programs affiliated with Southern College include Erlanger Memorial Hospital, Florida Hospital Medical Center, and Kettering Medical Center. Internship in other CAHEA-accredited programs requires prior college approval.

The medical technology degree qualifies a person to take a number of national certifying examinations, including those offered by the Board of Registry of the American Society of Clinical Pathologists (ASCP) and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Certified laboratory professionals work in hospitals, clinics, physicians' offices, public health agencies, private laboratories, pharmaceutical firms, and research institutions.

The curriculum prescribed by Southern College is designed to meet the requirements of the college and of the Committee on Allied Health Education and Accreditation (CAHEA). Affiliated hospitals may have additional requirements. Students should consult the brochures or advisers of the specific hospitals for those requirements.

Occasionally pre-dental students, pre-medical students, and graduating seniors in biology or chemistry may wish to become certified Medical Technologists. This is possible if the student plans courses to fulfill the requirements of the college and the hospital program.

During the fall semester of the third year, students must apply for admission to an affiliated hospital-based medical technology program. Acceptance of the individual student to the senior year program is determined by the hospital. To be eligible for admission, a student must complete all of the college course requirements prior to beginning the

senior year. The over-all grade point average must be acceptable to the college for graduation. Most hospital programs do not accept students with less than a 2.75 cumulative average on a 4.0 system. Although hospital acceptances are granted during the junior year, they are conditional, pending satisfactory completion of the stated admission criteria.

Written information about each of the affiliated hospital-based medical technology programs is available through the college medical technology adviser. The student should be aware that acceptance criteria, pre-clinical course requirements, application procedures, tuition for the senior year, and program formats may vary at each affiliated hospital. There is a \$50 recording fee for the senior year.

Major: To include MDTC 225. Cognates: Forty-two hours including BIOL 151-152, 315, 330; CHEM 151-152, 311, 313; CPTR 120, 125, or 131; MATH 114; BUAD 334.

General Education Requirements: Thirty-five hours including ENGL 101, 102; Religion, 9 hours; History, Biblical Science, and Economics, 6 hours; Language, Literature, and Fine Arts, 6 hours; Behavioral, Family or Health Sciences, 3 hours; Activity Skills, 5 hours.

Twenty hours of upper division, including two writing courses are required—one (W) course must be in a cognate area and one in a non-cognate area.

ELECTIVES 14

Recommendations include:

BIOL 316, 415, 417, 418

CHEM 312, 314, 315, 321, 323, 324

MATH 215

PHYS 211, 212, 213, 214

TOTAL PRE-CLINICAL CREDIT HOURS 93

HOSPITAL CLINICAL (SENIOR) YEAR Variable

Individual affiliated hospital programs should be consulted for their specific courses and credits. Approximately forty credit hours are given in the twelve- to fifteen-month clinical programs. Courses taught in affiliate programs include:

Introduction to Medical Laboratory Science, Urinalysis, Hematology, Hemostasis, Immunology, Immunochemistry, Clinical Microbiology, Clinical Mycology, Clinical Parasitology, Clinical Biochemistry, Instrumentation, Research.

2+2 MEDICAL TECHNOLOGY PROGRAM

The 2+2 ladder program in medical technology permits an individual possessing an associate degree from an accredited college plus certification as a medical laboratory technician [MLT (ASCP) or CLT (NCA)] to earn a baccalaureate degree in medical technology without duplicating

previous work. For this program, students spend their junior year at Southern College completing general education and science requirements. They spend their senior year at Kettering Medical Center in Dayton, Ohio, studying advanced topics in clinical laboratory science.

MDTC 225. Introduction to Medical Technology

2 hours

This course is designed to acquaint prospective medical technologists with the profession. The history and standards of medical technology and employment opportunities will be surveyed. Elementary clinical laboratory procedures will be taught and laboratory tours will be conducted.

ASSOCIATE OF SCIENCE IN ALLIED HEALTH

The Associate of Science degree in Allied Health Professions prepares the student for admission to professional programs at Loma Linda University or Andrews University. Admission to any professional school is dependent on meeting the GPA and prerequisite requirements of the individual school. Students desirous of admission to other professional programs should check the bulletin of that school to ascertain the requirements.

Applications for transfer to the junior year of colleges offering Allied Health programs must be made early in the second semester of the final year at Southern College. LLU requires students who have credit for any remedial courses or for MATH 104, Intermediate Algebra, to take a corresponding number of semester credits above the minimum number required for graduation. The lowest acceptable grade for courses to be transferred is C-. A minimum grade point average of 2.00 is required for the Associate of Science degree at Southern College, but grade point averages between 2.50 and 3.00 are considered minimal for entrance to the junior year of Allied Health programs. All applicants are required to have taken the Allied Health Professions Admissions Test. (AHPAT).

There are three emphases in the Allied Health Professions degree: pre-Dental Hygiene, pre-Occupational Therapy, pre-Physical Therapy.

Year-by-year outlines for each major offered are listed on page 246.

PRE-DENTAL HYGIENE

Adviser: Steven Warren

(Program meets admission requirements for Loma Linda University)

- Area A ENGL 101-102; MATH 103 (or 22 Math ACT and 2 units h.s. Math)
- Area B RELB or RELT, 9 hrs.
- Area C HIST, 3 hrs.
- Area D For Lang/Lit/Fine Arts, 6 hrs.; SPCH, 3 hrs.
- Area E BIOL 101-102, 125, CHEM 111-112, 113-114.

- Area F PSYC 124; SOCI 125; 3 additional hrs. PSYC, SOCI, HIST, or ECON.
- Area G PEAC, 1 hr.; Music or Art, 2 hrs.
- Elective To make a total of 64 hrs.

PRE-OCCUPATIONAL THERAPY

Adviser: Steven Warren

(Program meets admission requirements for Loma Linda University)

- Area A ENGL 101-102; MATH 103 (or 22 Math ACT and 2 units h.s. Math)
- Area B RELB or RELT, 9 hrs.
- Area C HIST, 3 hrs.
- Area D SPCH, 2 hrs.; For Lang/Lit/Fine Arts, 3 hrs.
- Area E BIOL 101-102, 125; CHEM 111-112, 113-114.
- Area F PSYC 124, 128; SOCI 125; additional PSYC or SOCI, 2 hrs.
- Area G ART 235; TECH 154, Applied Arts or Crafts, 2 hrs.; PEAC, 1 hr.

A minimum of 80 hours work experience (volunteer or as an employee) in an occupational therapy department is required.

PRE-PHYSICAL THERAPY

Adviser: Marcella Woolsey

(Program below meets Andrews University admission requirements)

- Area A ENGL 101-102; MATH 104 (or 22 Math ACT)
- Area B RELB or RELT, 3 hrs.; RELT 255
- Area C HIST 154
- Area D SPCH 135; Fine Arts, 3 hrs.
- Area E BIOL 101-102, 125; CHEM 151-152
- Area F PSYC 124, 128; PSYC, SOCI or ECON, 3 hrs.
- Area G PEAC 125; additional PEAC, 1 hr.; CPTR 120
- Elective To make a minimum total of 64 hrs.

BIOL 155, 156 may be substituted for BIOL 101-102. Recommended electives are FDNT 125, ECON 213, ACCT 103. A physics sequence with laboratory is required for entrance to the program. This is offered on the Andrews University campus immediately preceding the fall quarter. PHYS 211-212, 213-214, 8 semester hours at SC, is acceptable.

A minimum of 80 hours work experience, including at least 15 hours in each of three of the following settings, is required: general acute care hospital, home health agency, industrial practice, nursing home, private practice, rehabilitation center, school for the handicapped, specialized clinics.

Allied Health

40

(Program below meets current Loma Linda University admission requirements)

- Area A ENGL 101-102; MATH 103 (or 22 Math ACT and 2 units h.s. Math)
- Area B RELB or RELT, 9 hrs.
- Area C HIST, 3 hrs.
- Area D SPCH 135; Foreign Lang/Lit/Fine Arts, 6 hrs.
- Area E BIOL 101-102, 125; CHEM 111-112, 113-114 (or CHEM 151-152)
- Area F PSYC 124, 128
- Area G PEAC 125; additional PEAC, 1 hr.; CPTR 120
- Elective To make a minimum total of 64 hrs.

BIOL 155-156 may be substituted for BIOL 101-102 A physics sequence with laboratory is required for entrance to the program. This is offered on the LLU La Sierra campus immediately preceding the fall quarter. PHYS 211-212, 213-214, 8 semester hours at SC, is acceptable. A minimum of 80 hours work experience (volunteer or as an employee) in a physical therapy department is required.

(Program below meets admission requirements for students entering Loma Linda University June 1989 or later.)

- Area A ENGL 101-102; MATH 104, 215
- Area B RELB or RELT, 9 hrs.
- Area C HIST, 3 hrs.
- Area D Foreign Lang/Lit/Fine Arts, 9 hrs.; SPCH 135
- Area E BIOL 151-152, 125, CHEM 151-152
- Area F PSYC 124, 128; SOCI 125
- Area G PEAC, 1 hr.; CPTR 120

A physics sequence with laboratory is required for entrance to the program. This is offered on the LLU La Sierra campus immediately preceding the fall quarter. PHYS 211-212, 213-214, 8 semester hours at SC, is acceptable. A minimum of 80 hours work experience (volunteer or as an employee) in a physical therapy department is required.)

ART

Robert Garren, M.F.A., Chairman

Basic to the philosophy of the Department of Art is the provision for the quality of environment most conducive to spiritual, aesthetic, and technical growth. The instructors desire to help all students become aware of their options in the field of art and to prepare them systematically to meet the needs of their respective choices, whether they are oriented commercially or aesthetically.

Students majoring in Art must meet the specific requirements of the Art Department (below) and the General Education program (pages 14-16). For Art and most other programs in the Humanities Division, intermediate foreign language is required.

BACHELOR OF ARTS DEGREE IN ART

Major: Thirty-six hours to include ART 104-105, 109, 110, 344, 345, 499, with not less than 14 hours upper division. Cognate requirements: CRTF 225. A foreign language at the intermediate level is required.

Minor: Eighteen hours including courses ART 104-105, 109, 110, 344, with not less than six hours in upper division courses.

Teaching Endorsement: The following are the minimum requirements.

ART 104-105	Beginning Drawing I, II	4 hours
ART 109, 110	Design I, II	6 hours
	Art techniques elective	2 hours
ART 344	History of Art	3 hours
	Art appreciation elective	2 hours
	Art elective	3 hours
EDUC 230, 438	Methods - Art	4 hours
	TOTAL	24 hours

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

A year-by-year outline for this major is listed on page 249.

ART 104-105. Beginning Drawing I, II (G-1) 2,2 hours

An introductory course in drawing, composition, and design. Emphasis on the basic art elements and their functions in composition using various media. (Fall, Spring)

ART 109. Design I (G-1)

3 hours

Emphasis on the design and layout of newspapers, magazines, brochures, and advertisements. Creative use of illustrations and typographical elements to enhance the communicative potential of the print media.

ART 110. Design II (G-1)

3 hours

Problems in two and three dimensional art, dealing with line, shape, form, color, and texture.

ART 215. Sculpture (G-1)

3 hours

Prerequisite: ART 104-105 or permission of instructor.

Introduction to the problems of form in sculpture and three-dimensional design using various media such as clay, plaster, wood, and metal casting. Taught odd years. May be repeated for credit.

ART 217. Printmaking

3 hours

Prerequisite: ART 104-105 or permission of instructor.

A course designed to give the art major experience in printmaking media. Relief, intaglio, and silk-screen will be covered. May be repeated for credit.

ART 221-222. Painting I, II

3,3 hours

Prerequisite: ART 104-105 or permission of instructor.

A course designed to give the student experience in using painting materials applied to compositional organizations. May be repeated for credit. (Fall, Spring)

ART 235. Ceramics (G-1)

3 hours

Fundamentals of the preparation and use of clay. Methods of fabrication from hand building to wheel-thrown wares, chemistry and application of glazes, and stacking and firing of kilns. May be repeated for credit. A \$20 fee is applied toward necessary supplies. (Fall)

ART 311-312. Painting III, IV

3,3 hours

Prerequisite: ART 221 or permission of instructor.

Advanced problems in painting. May be repeated for credit. (Fall, Spring)

ART 313-314. Drawing III, IV

3,3 hours

Prerequisite: 104-105 or permission of instructor.

A course designed to give the student increased experience in the application of drawing media to the production of art. This course may be repeated for credit. (Fall, Spring)

ART 295/495. Directed Study (W)

1-3 hours

For students electing to take ART 295, permission of the teacher must be obtained. ART 495 is for majors and minors only. The course is designed for students who wish directed study or for a group of students who wish a special course not taught under the regular class offering. Students taking the class as directed study may choose from art history, ceramics, design, drawing, painting, printmaking, and sculpture. (Students must have had maximum classes offered in area.) This course also includes credit offered

by the Art Department on directed study tours. May be repeated for credit up to four times. Writing emphasis for ART 495 only.

ART 499. Senior Project

1 hour

Major projects in area of interest for seniors and preparation of permanent portfolio of college art work. (Spring)

ART HISTORY

ART 218 or 318. Art Appreciation (D-3), (W)

3 hours

Lecture and travel seminar. One class is offered in the fall semester, with two hours per week lecture, and the week of Thanksgiving spent in Washington, D.C., and New York City visiting major art museums. When offered in the first summer session, there will be one week of two-hour lectures and two weeks of travel and museum visits. The summer tour will include Washington, D.C., Philadelphia, New York City, Newport, Rhode Island, Boston, and the Storm King Art Center in upstate New York. There is an additional charge for travel. Students will be required to write a summary paper. Students taking the class for upper-division credit will be required to write a research paper.

ART 344. History of Art (D-3), (W)

3 hours

A study of the arts of western civilization from antiquity to the mid-1800's with an emphasis on pivotal figures in art history. (Fall)

ART 345. Contemporary Art (D-3), (W)

3 hours

Nineteenth and twentieth century developments in European and American arts. (Spring)

EDUCATION

EDUC 230. Elementary Methods in

Curriculum and Instruction: Art

2 hours

A study of the aims, philosophy, and methods of teaching art on the various levels of the elementary school.

EDUC 438. Methods of Teaching Art

2 hours

Prerequisite: Admission to Teacher Education (secondary program).

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

(D-3), (G-1), (W) See pages 14-16 for explanation of General Education requirements.

BEHAVIORAL SCIENCE

Ed Lamb, M.S.S.W., A.C.S.W., Chairman

Larry Williams, M.S.W.

The Behavioral Science faculty fully support the educational philosophy and objectives of Southern College. More specifically, this faculty embraces the following beliefs:

- (1) God is not only the Creator and Sustainer of all life, but also the ultimate Source of all knowledge.
- (2) Man is created in the image of God, and possesses harmonious physical, mental, spiritual, and social attributes.
- (3) A loving God seeks to restore his image in humanity, thus preparing them for personal fellowship with Himself.

We understand a redemptive education must focus on the growth of the whole person. The Behavioral Science faculty commits itself, therefore, to achieving the following objectives:

Spiritual

Behavioral Sciences majors will acquire an understanding of the basic beliefs and values of Christianity as presented by the Seventh-day Adventist Church. We, as their teachers, will provide class devotionals, Christian-service applications, and the encouragement for them to commit themselves to such ideals.

Intellectual

Those studying Behavioral Science at this college will perceive themselves as Christian scholars beginning a lifelong pursuit of knowledge. We have designed course-related activities and investigations to aid them in achieving intellectual and career goals, and in acquiring the necessary tools for future learning. The Behavioral Science curriculum is structured so as to encourage critical thinking, perceptive discussion, intellectual curiosity, and cultural awareness.

Social

Behavioral Science students are expected to develop positive interpersonal skills, communication techniques, and decision-making approaches. The teachers in this program strongly emphasize the attitudes of acceptance, caring, patience, and service.

Physical

Students in Behavioral Science are encouraged to develop a holistic view of mankind in appreciation for the interactive nature of our physical, mental, social, and spiritual being. They are expected to establish balanced programs of exercise, rest, diet, study, work, and recreation. The faculty promotes such positive values and practices through example and instruction.

Students wishing to prepare for graduate study in community and/or family counseling, law, personnel work, and sociology should consider a major in a Behavioral Science emphasis. The Bachelor of Science in Social Work is also offered for those students seeking preparation for later service in child welfare, corrections, health services, mental health, medical school, and human services social work. Registered nurses will find a major in some area of Behavioral Science an excellent foundation for public health and psychiatric work. To achieve a complete preparation in these fields, however, the student is encouraged to consider further training at the graduate level.

BACHELOR OF SCIENCE DEGREE IN BEHAVIORAL SCIENCE

Major: Forty-five hours with a 21-hour emphasis in Family Studies or Sociology, including core requirement courses BHSF 394; PSYC 124, 128; SOCW 221, 222; SOCI 125, 223, 424. Cognate requirements total six hours: 3 hours in Biology and 3 hours in MATH 215. Additional requirements for the specific emphases in the Behavioral Science major are:

Family Studies emphasis: PSYC 233, 315; SOCI 295 or 495, 365; HMEC 147, 201, 202. Remaining course-work will normally be chosen from the following courses: PSYC 225, 367, 377; SOCW 375.

Sociology emphasis: SOCI 427 and 295 or 495.

Students contemplating graduate study should take as many courses as possible in the area of his emphasis.

Minor—Behavioral Science. Eighteen hours selected from any Behavioral Science areas and including PSYC 124, SOCW 221, and SOCI 125, with a minimum of six hours of upper division Behavioral Science classes.

Minor—Sociology. Eighteen hours including SOCI 125, 424, and 427.

BACHELOR OF SOCIAL WORK DEGREE

Major: Forty-five hours including BHSF 115, 394; SOCW 221, 222, 314, 315, 316, 435; PSYC 124, 128, 315; SOCI 125, 223, 424, 495. Cognate requirements: any human biology.

Year-by-year outlines for each major offered are listed on page 250.

BEHAVIORAL SCIENCE FOUNDATIONS

BHSF 115. Orientation to the Behavioral Sciences **1 hour**

An examination of career choices, training requirements, employment trends in the behavioral sciences. Career and academic guidance will be provided for each student. Some visitations and interviewing asked of students. (Fall, Spring)

Behavioral Science

46

BHSF 494. Research Methods (W)

3 hours

Prerequisite: MATH 215.

An introduction to common research design and methodology. Descriptive and relational designs are examined. A semester research proposal and completed project is expected of each student. (Fall)

SOCIAL WORK

SOCW 221. Social Welfare as an Institution (F-1)

3 hours

Social welfare programs are viewed from both historical and philosophical perspectives. Organizations in which social work is practiced are evaluated. (Fall)

SOCW 222. Social Welfare Issues and Policies (F-1)

3 hours

Prerequisite: SOCW 221 or permission of the instructor.

A study of contemporary issues and policies that influence the delivery of social services. (Spring)

SOCW 314. Social Work Methods (W)

3 hours

A course oriented toward problem-solving technologies used in working with individuals, groups, and communities. Diagnostic assessments of the person-problem-situation, ego supportive procedures, and problem-solving processes are emphasized. (Fall)

SOCW 315. Group Work (W)

3 hours

A course designed to develop a basic understanding of group theory and process from a therapeutic perspective. (Spring)

SOCW 316. Community Organization and Policy (F-1)

3 hours

Community organization principles are explored including public policy development and implementation. (Fall)

SOCW 375. Introduction to Family Intervention (F-1)

3 hours

An introduction to the various theoretical orientations of family intervention. The family is viewed as a unit, with focus on programs and crisis techniques designed to maintain and re-establish family equilibrium. (Fall)

SOCW 435. Social Work Practicum

4,4 hours

Prerequisite: SOCW 314.

This course provides opportunity for students to apply the combined techniques of casework, group work, and/or community organization through direct participation in the social service delivery system. Through his participation the student becomes familiar with agency structures, functions, and programs. A minimum of 200 hours will be spent working in an agency setting for each four hours of course credit. Course may be repeated once. (Fall, Spring, Summer)

SOCW 295/495. Directed Study

1-3 hours

Prerequisite: SOCW 221 or permission of the instructor.

Study of special topics pertinent to the field of social work. Content will vary

among such topics as child welfare, income maintenance, values and ethics of social work practice, etc. The selected topic is pursued for the entire semester. This course can be repeated for credit for a total of not more than three hours credit. (Fall)

SOCIOLOGY

SOCI 125. Introduction to Sociology (F-1) 3 hours

An objective approach to the analysis and understanding of the social world. Consideration is given to the dynamic nature of American society and social institutions. Emphasis is placed on the study of social groups including the family, its history and current place in society. (Fall, Spring, Summer)

SOCI 223. Marriage and the Family (F-2) 2 hours

A course in the ethics of human relationships, including the place of the family in society and the Christ-centered approach to marital and familial conflicts. (Fall, Spring)

SOCI 224. Social Psychology (F-1) 3 hours

(See Psychology area listings.)

SOCI 233. Human Sexuality (F-1 or 2) 3 hours

A study of human sexual behavior, relationships, and values as reflected in the Christian cultural setting.

SOCI 316. Community Organization and Policy (F-1) 3 hours

(See Social Work area listings.)

SOCI 349. Aging and Society (F-1) 3 hours

The course emphasizes the reciprocal impact of societal attitudes on the process of aging and the increasing influence of "mature citizens" in contemporary society. Historical, demographic, and future trends are explored. A balance between the theoretical and the applied is sought. (Spring)

SOCI 356. Minorities in America (F-1) (W) 3 hours

(See HIST 356 under History listings.)

SOCI 365. Family Relations (F-2) 3 hours

A sociological analysis of family structures and functions. Attention will be given to courtship, family organization and interaction, family disorganization and reorganization, and the post-parental family. Emphasis will be given to findings of recent family studies. (Spring)

SOCI 374. Criminology (F-1) 3 hours

This course emphasizes the scientific study of crime as a social phenomenon, of criminals, and of penal treatment. the relationship of law and crime to other trends in the social order. Research in prevention and treatment of crime. (Fall, odd years)

Behavioral Science

48

SOCI 424. Contemporary Social Problems (F-1)

3 hours

Attention is given to the major forces shaping cultural and subcultural changes today. Changes are particularly viewed as to their effectiveness in bringing about group and mass adjustment. (Spring)

SOCI 427. Sociological Theory Development (F-1), (W)

2 hours

Prerequisite: SOCI 125.

This course focuses on the emergence of sociology as a systematic discipline. A critical analysis of sociological theory is made from 1850-1920, including Comte, Tocqueville, Spencer, Marx, Weber, Durkheim, Simmel, and Pareto. (Fall, even years)

(F-1), (F-2), (W) See pages 14-16 for explanation of General Education requirements.

SOCI 295/495. Directed Study (F-1)

1-3 hours

Prerequisite: SOCI 125 or permission of the instructor.

Study of special topics pertinent to the area of sociology. Content will vary among such topics as the sociology of women, social conflict and change, Black America, the sociology of education, etc. The selected topic is pursued for the entire semester. This course can be repeated for credit for a total of not more than three hours credit. (Spring)

SOCI 296/496. Study Tour

1-3 hours

Two tours are scheduled annually for the purpose of studying a range of behavioral science topics. The fall trip to New York City occurs during Thanksgiving vacation and focuses on ethnicity, social problems, urban change, and social agencies (1 hour). The spring trip to New England occurs during the May summer session and focuses primarily on ethnic studies (3 hours). A fee is required to cover travel expenses.

BIOLOGY

Edgar Grundset, M.A.

Duane Houck, Ph.D.

Steve Nyirady, Ph.D., *Chairman*

Marcella Woolsey, M.A.

The study of Biology constitutes one of the most exciting and important fields of scientific investigation since it provides a better understanding of ourselves and the living things around us. Even the casual observer of Biology who pauses long enough to take a course, may derive a lifetime of pleasure and fulfillment from a hobby such as bird watching, shell collecting, or wildflower photography.

More importantly, a major in Biology is an excellent starting point for numerous careers which are both rewarding and challenging. With a B.S. degree in Biology, one may pursue graduate study leading to research in the basic sciences (anatomy, physiology, ecology, ethology, cytology, etc.), teaching at the college or graduate level, industrial research, and environmental applications for either business, industry, or government. The B.A. degree is the degree of choice in preparation for high-school teaching, medicine, dentistry, optometry, careers in wildlife, forestry or zoo management, health education, public health, biostatistics, epidemiology, and environmental health, to name a few.

BACHELOR OF ARTS DEGREE IN BIOLOGY

Major: Thirty hours including BIOL 151-152, 316, 424, 485; ecological course 226 or 317; botany 408 or 419; physiology 418 or 419; including two of the following field courses: 200, 314, 317, 318, 319, 408, 411, 475, 516. Up to three hours of CHEM 323 may apply on a major or minor. Cognate requirement: CHEM 151-152. A course in general physics is highly desirable. A minor in chemistry is recommended.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY

Major: Forty hours including BIOL 151-152, 316, 330, 412, 415, 424, 485; ecological course 226 or 317; botany 408 or 419; physiology 418 or 419; including two of the following field courses: 200, 314, 317, 318, 319, 408, 411, 475, 516. Up to three hours of CHEM 323 may apply on a major. Cognate requirements: CHEM 151-152; MATH 114 and 215. A course in general physics is highly desirable.

Minor: Eighteen hours including BIOL 151-152 (or equivalent). A course in physiology is strongly recommended. Up to three hours of CHEM 323 may apply on a minor. A minimum of six hours must be in upper division.

Teaching Endorsement: The student must earn a major in the subject

Biology

50

area of his first teaching field. He may add the following endorsements by meeting the number of hours indicated below.

Biology

BIOL 151-152	General Biology	8 hours
	Biology electives	8 hours
	TOTAL	16 hours

General Science

BIOL 151-152	General Biology	8 hours
	Chemistry and Physics electives	8 hours
	TOTAL	16 hours

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

Year-by-year outlines for each major offered are listed on page 252.

BIOL 101-102. Anatomy and Physiology (E-1) 3,3 hours

A study of the fundamentals of human anatomy and physiology. The first semester covers basic cytology, histology, the musculoskeletal, integumentary, and nervous systems. The remainder of the body systems are studied the second semester. (Fall, Spring, Summer)

BIOL 103. Principles of Biology (E-1) 3 hours

This is a basic general education biology course designed to give the student a modern treatment of the fundamental processes and principles of plant and animal life. Three lectures each week. Does not apply on a major or minor in Biology. (Fall, Spring)

BIOL 104. Principles of Biology Lab (E-1) 1 hour

Prerequisites: Previous or concurrent enrollment in BIOL 103.

Laboratory exercises designed to illustrate the principles learned in BIOL 103. Three hours of laboratory each week. Does not apply on a major or minor in Biology. (Fall, Spring)

BIOL 125. Basic Microbiology (E-1) 4 hours

A study of the principles of microbiology, various types of microorganisms and their relation to health and disease. Two lectures and two one and one-half laboratory periods each week. Does not apply on major in Biology. (Fall, Spring, Summer)

BIOL 151-152. General Biology (E-1) 4,4 hours

This is an introductory course in biology open to all college students. The course is designed to give the non-science student a modern treatment of the fundamental processes of plant and animal life as well as to provide a

satisfactory basis upon which a biology major may build. Three lectures and one laboratory period each week. (Fall, Spring)

BIOL 226. Environmental Biology (E-1) 3 hours

This very relevant course introduces the student to the very complex interlocking environmental problems facing us today. Beginning with basic ecological principles, the course goes on to examine population dynamics, energy utilization, resource consumption and the various forms of pollution. These issues are all discussed in terms of a balanced and rational ecological approach. Two lectures and one laboratory period each week. (Spring)

BIOL 295. Directed Study 1-3 hours

See BIOL 495.

BIOL 313. Embryology 3 hours

Prerequisite: BIOL 151-152 or consent of instructor.

An introduction to the development of the vertebrate animal with emphasis on the development of the chick. Two lectures and one laboratory period each week. (Fall)

BIOL 314. Ornithology (E-1) 3 hours

Prerequisite: BIOL 103, or 151-152 or consent of instructor.

A systematic study of bird life with special emphasis on external features. Taxonomy, nesting, and feeding habits, flight and migratory patterns. Two lectures and one laboratory period each week. An extended field trip, which applies toward laboratory credit, is planned during spring vacation. There is a small additional charge to help cover transportation costs. (Spring)

BIOL 315. Parasitology (W) 3 hours

Prerequisite: BIOL 151-152 or consent of instructor.

A general survey of the more important parasites of man and domestic animals. Two lectures and one laboratory period each week. (Spring)

BIOL 316. Genetics 3 hours

Prerequisite: BIOL 125 or 151, or consent of instructor.

A study of heredity as related to man, domestic plants and animals and an investigation of gene structure and function. Two lectures and one laboratory period each week. (Fall)

BIOL 317. Ecology 3 hours

Prerequisite: BIOL 151-152 or consent of instructor.

Ecology is a study of the interrelationships of plants, animals and their environment. This course will examine these interactions in the context of energy flow, nutrient cycles, limiting factors, succession and population dynamics. Field work will introduce various ecological sampling techniques and the student will participate in ecological analysis of various local communities as well as extended field trips. Two lectures and one field trip or laboratory period each week. (Fall)

BIOL 318. Ichthyology **3 hours**

Prerequisite: BIOL 151-152 or consent of instructor.

A systematic study of the fishes found in the local area, with a survey of the fishes of other waters. Two lectures and one laboratory period each week. (Taught every third year)

BIOL 319. Herpetology **3 hours**

Prerequisite: BIOL 151-152 or consent of instructor.

A systematic study of amphibians and reptiles of the local area, with a survey of amphibians and reptiles of other areas. Two lectures and one laboratory period each week. (Taught every third year)

BIOL 330. General Microbiology **4 hours**

Prerequisite: BIOL 151-152 or equivalent.

A general study of bacteria, yeasts, molds and viruses, considering their morphology, physiology, genetics and methods of control. Study will be given to immunology topics: antigen-antibody properties, host-antigen interactions, humoral and cellular immune systems. The importance of microorganisms in environmental and applied fields will be considered. Three lectures and one laboratory period each week. (Spring)

BIOL 408. Systematic Botany **3 hours**

Prerequisite: BIOL 151-152 or consent of instructor.

A study of flowering plants in their natural environment and detailed microscopic study of them in the laboratory. Students will learn to identify plants with the aid of botanical keys and to recognize plant families. The importance of accurate plant identification is revealed by the study of poisonous plants, plants of medical importance, and noxious weeds. Two lectures and one field trip or laboratory period each week. (Fall)

BIOL 411. Mammalogy **3 hours**

Prerequisites: BIOL 151-152 or consent of instructor.

A study of the mammals of the world, with emphasis on North America. Includes classroom and field study of systematics, distribution, behavior and ecology. Two lectures and one laboratory each week. (Taught every third year)

BIOL 412. Cell Biology **3 hours**

Prerequisites: BIOL 151-152; CHEM 311-312.

This course, designed for advanced biology and chemistry majors, deals primarily with cell structure and function. Building on cellular principles learned in BIOL 151-152, the student is exposed to methods of cellular research while learning about the appearance and operation of cellular organelles. The exciting details of cell integration and control provide the framework for this interdisciplinary study. Three lectures each week. (Fall, odd years)

BIOL 415. Comparative Anatomy **3 hours**

Prerequisite: BIOL 151-152 or consent of instructor.

A comparison of the anatomy of the various organ systems of vertebrates.

The dogfish shark, mud puppy, cat, and/or fetal pig are used for laboratory study. Two lectures and one laboratory period each week. (Spring)

BIOL 417. Animal Histology **3 hours**

Prerequisite: BIOL 151-152 or consent of instructor.

A descriptive study of normal tissues, including those of man. The microscopic identification and characteristics of stained section is emphasized in the laboratory. One lecture and two laboratory periods each week. (Fall, even years)

BIOL 418. Animal Physiology **3 hours**

Prerequisite: BIOL 106, 151-152, or equivalent and CHEM 151-152 or equivalent.

A study of the principles of animal function with special attention to man. Two lectures and one laboratory period each week. (Spring)

BIOL 419. Plant Physiology **3 hours**

Prerequisite: BIOL 151-152 and CHEM 151-152 or consent of instructor.

A study of the functions of seed plants. Topics covered include water relations, mineral nutrition, photosynthesis, transpiration, translocation, respiration, and growth. Two lectures and one laboratory period each week. (Spring)

BIOL 424. Issues of Natural Science and Religion (E-1), (W) **3 hours**

A study of the philosophical basis of modern natural science as it relates to current issues in origins, biotechnology, bioethics, and environmental responsibility. Special attention is given to Christian perspectives of the issues discussed. Credit can be applied toward either Biology or Religion. Three lectures each week. (Fall)

BIOL 485. Biology Seminar (W) **1 hour**

Open to Biology majors or minors only or with approval of Biology staff. Reports are made on some specific problem in the field of Biology and on current literature in the field. To be taken in the senior year or with approval of Department Chairman. (Fall or Spring)

BIOL 295/495. Directed Study **1-3 hours**

Prerequisite: BIOL 151-152 or equivalent.

BIOL 495 open to Biology majors or minors only.

Designed for the student who wishes to do private study or for a group of students who wish a special course not listed in the regular offerings. Examples: entomology, economic botany, animal behavior, etc. Content and method of study must be arranged for prior to registration. (Fall or Spring)

BIOL 497. Introduction to Research (W) **1-2 hours**

Prerequisite: 20 hours of biology or permission of the instructor.

Individual research under the direction of members of the staff. Problems will be selected according to the interest and experience of the student. Prior to registration students are urged to contact all biology staff members with respect to the choice of available research problems. This course should be taken not later than the first semester of the senior year. (Fall, Spring)

EDUCATION

EDUC 438. Methods of Teaching Biology

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction; planning, testing, and evaluating student performances; and the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year. (Spring)

(E-1), (G-2), (W) See pages 14-16 for explanation of General Education requirements.

ROSARIO BEACH MARINE BIOLOGICAL FIELD STATION

The Rosario Beach Marine Station is a teaching and research facility operated by Walla Walla College in affiliation with Southern College and other Adventist colleges. Located seven miles south of Anacortes, Washington, the station occupies 40 acres of beach and timberland including a high hill and canyon.

In addition to some of the biology courses listed in this catalog, the following are among those taught during the summer at Rosario Beach:

BIOL 200. Introduction to Marine Biology

3 hours

An overview course designed to introduce general education students to the biology and ecology of the marine environment. Course not applicable to biology majors.

BIOL 475. Marine Invertebrates

3 hours

A description of selected groups of marine invertebrates. The course will involve extensive collection, classification, and study of the marine invertebrates of the Puget Sound.

BIOL 516. Behavior of Marine Organisms

3 hours

Prerequisites: Animal Behavior or Intro to Psychology.

A study of intra- and interspecific behaviors of marine animals and their behavioral responses to the physical environment. The course involves laboratory experiences, field observation, and a research project.

—BUSINESS AND OFFICE ADMINISTRATION—

55

Joyce Cotham, M.B.Ed.
Richard Erickson, M.B.A.
E. William Richards, Ph.D.
Evonne Richards, Ed.D.
Cecil Rolfe, Ph.D.
Dan Rozell, M.A.
Wayne VandeVere, Ph.D., Chairman

The courses and programs offered by the department are designed to prepare students for business-related careers with the church, government, industry, and in long-term health care and to train students for secretarial, office work, and office administration in the modern office.

The objectives of the department are:

1. To give the student a broad background of knowledge of the free enterprise system within a framework of moral and ethical guidelines.
2. To assist the student to develop a sound Christian philosophy toward our current economic environment and the ever changing business world of the future.
3. To provide the student with a quality academic program with basic business skills required for initial job placement.
4. To encourage Seventh-day Adventist students to serve as workers and in positions of business leadership with organizations sponsored by this denomination.
5. To train office managers, administrative assistants, executive secretaries and word processing operators and managers.
6. To provide the necessary academic background for entrance into most graduate degree programs in business.

The department offers a Bachelor of Business Administration degree (B.B.A.) with majors in Accounting, Management, and Computer Information Systems and a Bachelor of Science degree (B.S.) with majors in Business Administration, Long-Term Health Care, and Office Administration.

For those who desire a two-year program, an Associate of Science degree (A.S.) is available in Accounting and Office Administration with major options in executive, medical, and word processing. A program in Pre-medical Records Administration is also available.

Students wishing to receive teacher certification in Business or Office Administration must also satisfy the professional teacher education requirements (see Education listings).

Business and Office Administration

56

BACHELOR OF BUSINESS ADMINISTRATION DEGREE

The B.B.A. degree requires a basic core of business courses plus a major in Accounting, Management or Computer Information Systems. Basic Core Course requirements are as follows:

ACCT 121-122	Principles of Accounting	6 hours
ACCT 321	Cost and Managerial Accounting I	3 hours
ECON 224, 225	Principles of Economics	6 hours
BUAD 313	Business Statistics	3 hours
BUAD 314	Quantitative Methods for Business Decisions	3 hours
BUAD 315	Business Finance	3 hours
BUAD 326	Introduction to Marketing	3 hours
BUAD 334	Principles of Management	3 hours
BUAD 337	Business Law I	3 hours
		TOTAL 33 hours

BUAD 315 and 326 are not required for the major in Computer Information Systems.

Major—Accounting: 30 hours plus the above B.B.A. Core Requirements:

ACCT 211-212	Intermediate Accounting	6 hours
ACCT 317	Federal Income Taxes	4 hours
ACCT 322	Cost and Managerial Accounting II ...	3 hours
ACCT 417	Auditing	4 hours
	Accounting electives	3 hours
BUAD 338	Business Law II	3 hours
BUAD 357	Business Ethics	3 hours
or		
BUAD 414	Business Policies	3 hours
BUAD 488	Seminar in Business Administration ..	1 hour
SECR 315	Business Communications	3 hours
		TOTAL 30 hours

Major—Management: 30 hours plus the above B.B.A. Core Requirements:

ACCT 211	Intermediate Accounting	3 hours
BUAD 338	Business Law II	3 hours
BUAD 344	Human Resource Management	3 hours
BUAD 353	Management of a Small Business	3 hours
BUAD 355	Organizational Behavior	2 hours
BUAD 357	Business Ethics	3 hours
BUAD 414	Business Policies	3 hours
BUAD 488	Seminar in Business Administration ..	1 hour

Business and Office Administration

57

BUAD 347	Business and Government	3 hours
or		
BUAD 314	Money & Banking	3 hours
	Electives in ACCT, BUAD, or ECON ..	3 hours
SECR 315	Business Communications	3 hours
	TOTAL	30 hours

Major—Computer Information Systems: 39 hours plus the above
B.B.A. Core Requirements:

CPTR 127	Micro Tools	3 hours
CPTR 131-132	Funds of Programming I, II	6 hours
CPTR 217	Cobol	3 hours
CPTR 317	File Processing	3 hours
CPTR 318	Data Structures	3 hours
CPTR 319	Data Base Management Systems	3 hours
CPTR 324	Systems Analysis	2 hours
CPTR 325	Systems Design	2 hours
CPTR 326	Systems Management	2 hours
CPTR 409	Software Development Internship	3 hours
CPTR 485	Computer Science Seminar	1 hour
	CPTR, BUAD, ACCT or ECON	8 hours
	TOTAL	39 hours

Among the General Education Requirements, the B.B.A. degree students in Accounting and Management must include SPCH 135, CPTR 127, and a course in psychology. The Computer Information Systems degree requires cognates in MATH 114, SPCH 135, and a course in psychology.

BACHELOR OF SCIENCE DEGREES

Major—Business Administration: 43 hours:

ACCT 121-122	Principles of Accounting	6 hours
ACCT 211	Intermediate Accounting I	3 hours
BUAD 313	Business Statistics	3 hours
BUAD 314	Quantitative Methods for Business Decisions	3 hours
BUAD 315	Business Finance	3 hours
BUAD 326	Introduction to Marketing	3 hours
BUAD 334	Principles of Management	3 hours
BUAD 337, 337	Business Law I, and II	6 hours
BUAD 357	Business Ethics	3 hours
BUAD 414	Business Policies	3 hours
BUAD 488	Seminar in Business Administration ..	1 hour
ECON 224, 225	Principles of Economics	6 hours
	TOTAL	43 hours

Cognate requirements: CPTR 127 and SECR 315.

Business and Office Administration

58

Major—Long-Term Health Care: 47 hours:

ACCT 121-122	Principles of Accounting	6 hours
BUAD 315	Business Finance	3 hours
BUAD 334	Principles of Management	3 hours
BUAD 337, 338	Business Law I and II	6 hours
BUAD 357	Business Ethics	3 hours
BUAD 431	General Administration of the Long-Term Care Facility	3 hours
BUAD 432	Technological Aspects of Long-Term Care	3 hours
BUAD 434	Financial Management of the Long-Term Care Facility	3 hours
BUAD 435	Human Resource Management and Marketing of the Long-Term Care Facility	3 hours
BUAD 497	Long-Term Care Administration Internship	8 hours
ECON 224, 225	Principles of Economics	6 hours
TOTAL		47 hours

Cognate requirements: CPTR 127 and SOCI 349

Major—Office Administration: 47 hours:

SECR 104	Shorthand I	4 hours
SECR 114	Shorthand II	4 hours
SECR 115	Intermediate Typewriting	3 hours
SECR 213	Records Management	2 hours
SECR 214	Advanced Typewriting	3 hours
SECR 216	Business English	3 hours
SECR 218	Business Math and Calculating Machines	2 hours
SECR 221	Office Transcription	3 hours
SECR 223	Concepts of Word Processing	2 hours
SECR 315	Business Communications	3 hours
SECR 317	Secretarial Procedures	3 hours
SECR 323	Word Processing Text Editing	3 hours
SECR 324	Advanced Word Processing and Transcription	3 hours
ECON 213	Survey of Economics	3 hours
or		
ECON 224	Principles of Economics	3 hours
BUAD 334	Principles of Management	3 hours
	Electives in SECR, BUAD, ACCT, or ECON (upper division)	3 hours
TOTAL		47 hours

Cognate requirements: ACCT 121-122, CPTR 120 or equivalent.

Business and Office Administration

59

ASSOCIATE OF SCIENCE DEGREE

Major—Accounting: 30 hours:

ACCT 121-122	Principles of Accounting	6	hours
ACCT 211-212	Intermediate Accounting	6	hours
ACCT 321	Cost and Managerial Accounting I	3	hours
BUAD 128	Personal Finance	3	hours
BUAD 337	Business Law I	3	hours
ECON 213	Survey of Economics		
or			3 hours
ECON 224	Principles of Economics		
	Electives in ACCT, BUAD, or ECON ..	6	hours
	TOTAL	30	hours

Cognate requirements: CPTR 127, SECR 105 or equivalent.

Major—Office Administration, Executive Option: 35 hours:

SECR 104	Shorthand I	4	hours
SECR 114	Shorthand II	4	hours
SECR 115	Intermediate Typewriting	3	hours
SECR 213	Records Management	2	hours
SECR 214	Advanced Typewriting	3	hours
SECR 216	Business English	3	hours
SECR 218	Business Math and Calculating Machines	2	hours
SECR 221	Office Transcription	3	hours
SECR 223	Concepts of Word Processing	2	hours
SECR 315	Business Communications	3	hours
SECR 317	Secretarial Procedures	3	hours
SECR 323	Word Processing Text-Editing	3	hours
	TOTAL	35	hours

Cognate requirements: ACCT 103 or 121, ENGL 102.

Major—Office Administration, Medical Option: 30 hours:

SECR 115	Intermediate Typewriting	3	hours
SECR 213	Records Management	2	hours
SECR 214	Advanced Typewriting	3	hours
SECR 216	Business English	3	hours
SECR 218	Business Math and Calculating Machines	2	hours
SECR 221	Office Transcription	3	hours
SECR 223	Concepts of Word Processing	2	hours
SECR 316	Medical Terminology	3	hours
SECR 317	Secretarial Procedures	3	hours
SECR 323	Word Processing Text-Editing	3	hours

Business and Office Administration

60

SECR 333	Advanced Medical Terminology and Transcription	3 hours
	TOTAL	30 hours

Cognate requirements: ACCT 103 or 121, BIOL 105, ENGL 102, CPTR 120.

Major—Office Administration, Word Processing Option: 30 hours:

SECR 115	Intermediate Typewriting	3 hours
SECR 213	Records Management	2 hours
SECR 214	Advanced Typewriting	3 hours
SECR 216	Business English	3 hours
SECR 218	Business Math and Calculating Machines	2 hours
SECR 221	Office Transcription	3 hours
SECR 223	Concepts of Word Processing	2 hours
SECR 315	Business Communications	3 hours
SECR 317	Secretarial Procedures	3 hours
SECR 323	Word Processing Text-Editing	3 hours
SECR 324	Advanced Word Processing and Transcription	3 hours
	TOTAL	30 hours

Cognate requirements: ACCT 103 or 121, CPTR 120, ENGL 102.

MINORS IN BUSINESS AND OFFICE ADMINISTRATION, 18 hours:

Business Administration: ACCT 121-122; ECON 213 or 224; BUAD 334 or 344; and 6 hours upper division in ACCT, BUAD, or ECON.

Office Administration: SECR 214 and 15 hours from courses in Office Administration, six of which must be upper division.

PRE-HEALTH INFORMATION ADMINISTRATION PROGRAM (Formerly Pre-Medical Records Administration Program)

BIOL 101-102	Anatomy and Physiology	6 hours
MATH 103	Survey of Math	3 hours
PSYC 124	Introduction to Psychology	3 hours
BIOL 155-166	Foundations of Biology recommended. (A full sequence of science may be substituted).	6-8 hours
SECR 115	Intermediate Typing	3 hours
ACCT 121-122	Principles of Accounting	6 hours
	TOTAL	27-29 hours

Teaching Endorsements: The student must earn a major in the subject area of his first teaching field. He may add the following endorsements by meeting the number of hours indicated below.

Business and Office Administration

61

Bookkeeping

ACCT 121-122	Principles of Accounting	6 hours
	Accounting elective	4 hours
ECON 224 or ECON 225	Principles of Economics	3 hours
	Two of the following three areas for a total of	6 hours
BUAD 337 or 338	Business Law (3)	
BUAD 128	Personal Finance (3)	
SECR 315	Business Communications (3)	
	TOTAL	19 hours

Business Law

ACCT 121	Principles of Accounting	3 hours
ECON 224 or ECON 225	Principles of Economics	3 hours
BUAD 337, 338	Business Law	6 hours
	Business elective	3 hours
BUAD 128 or SECR 315	Personal Finance (3)	3 hours
	Business Communications (3)	
	TOTAL	18 hours

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

Business Education Certification: Core requirements for Business Education certification include the following thirty-five semester hours:

A. BUAD 121-122	Principles of Accounting	6 hours
ECON 224, 225	Principles of Economics	6 hours
BUAD 337	Business Law	3 hours
SECR 315	Business Communications	3 hours
SECR 218	Business Math & Calculating Machines	2 hours
SECR 105	Beginning Typewriting	3 hours
CPTR 120	Computer-Based Systems	3 hours
BUAD 128	Personal Finance	3 hours
BUAD 334	Principles of Management	3 hours
BUAD 315	Business Finance	3 hours
	TOTAL	35 hours
B. EDUC 438	Methods of Teaching Business	2 hours

Business and Office Administration

62

Additional Hours Required for Cluster Endorsements:

Basic Business

BUAD 338	Business Law	3 hours
ECON 328	Managerial Economics	3 hours
ECON 213	Survey of Economics	3 hours
TOTAL		9 hours

Accounting

ACCT 211-212	Intermediate Accounting	6 hours
TOTAL		6 hours

Data Processing

CPTR 125	BASIC Programming Language	3 hours
CPTR 127	Micro Tools	3 hours
or two of the following:		
	CPTR 105, 106, or 107	2-3 hours
MATH 104	Intermediate Algebra	3 hours
TOTAL		8-9 hours

Office Technology

SECR 214	Advanced Typewriting	3 hours
SECR 223	Concepts of Word Processing	2 hours
SECR 323	Word Processing Text-Editing	3 hours
SECR 213	Records Management	2 hours
SECR 317	Secretarial Procedures	3 hours
SECR 104	Shorthand I	4 hours
SECR 114	Shorthand II	4 hours
TOTAL		21 hours

Year-by-year outlines for each major offered are listed on page 253.

ACCOUNTING

ACCT 103. College Accounting (G-2) 3 hours

This course covers the fundamental accounting processes dealing with the bookkeeping and accounting functions for the small business, professional offices, merchandising firms and service organizations. This course does not apply toward a bachelor's degree offered by the Department of Business and Office Administration. (Fall)

ACCT 121-122. Principles of Accounting (G-2) 3,3 hours

A course designed to introduce the student to the "Generally Accepted Accounting Principles." The theory of debit and credit, transaction analysis, financial statement preparation, analysis of basic balance sheet accounts, income recognition, and basic management accounting concepts are covered.

Business and Office Administration

63

ACCT 211-212. Intermediate Accounting 3,3 hours

Prerequisite: ACCT 121-122.

An advanced course in accounting principles and theory including preparation of financial statements, intensive study and analysis of the classification and evaluation of balance sheet accounts and their related income and expense accounts. (Fall, Spring)

ACCT 316. Fund and Institutional Accounting 3 hours

Prerequisite: ACCT 121-122.

A course designed to provide an in-depth coverage of the concepts of fund accounting as they apply to governmental units and not-for-profit institutions including schools, hospitals, and churches. Considerable attention will be given to accounting principles as used by the various institutions of the Seventh-day Adventist Church. (Fall)

ACCT 317. Federal Income Taxes 4 hours

Prerequisite: ACCT 121-122.

A course designed to provide an explanation and training in the application of personal and corporate Federal income taxes to specific problems. Social Security taxes are also included. (Spring)

ACCT 321. Cost and Managerial Accounting I 3 hours

Prerequisite: ACCT 122.

A study of cost accounting fundamentals with emphasis on accounting as a managerial tool. Special attention is given to cost-volume-profit relationships, job-order costing, budgeting, standard costing, capital budgeting, cost behavior patterns, transfer pricing, and divisional performance measurement. (Fall)

ACCT 322. Cost and Managerial Accounting II 3 hours

Prerequisites: ACCT 321 and BUAD 313.

An in-depth study of the more technical aspects of cost accounting systems, including cost allocations, joint product and by-product accounting, actual, standard, and direct cost methods. Process cost is emphasized. The more quantitative aspects of management are covered including decision-making under uncertainty, inventory control, cost behavior and regression analysis, the variance investigation decision, and mix and yield variances. (Spring)

ACCT 415. Advanced Accounting 3 hours

Prerequisite: ACCT 211-212.

A course designed to study the problems concerned with consolidated financial statements, partnerships, business firms in financial difficulty, estates and trusts, foreign exchange, and segment reporting. (Spring)

ACCT 417. Auditing 4 hours

Prerequisite: ACCT 211-212.

A course designed to study auditing and its related types of public accounting work including generally accepted auditing standards, professional code of ethics of the AICPA, and auditing procedures. (Fall)

Business and Office Administration

64

ACCT 418, 419. C.P.A. Review Problems 3,3 hours

Prerequisite: Permission of instructor.

A course designed to study accounting theory, auditing, accounting practice, and business law as exemplified by the official accounting pronouncements of the AICPA and FASB. (Fall, Spring)

ECONOMICS

ECON 213. Survey of Economics (C-2) 3 hours

A course designed for the general education student. It provides an understanding of the United States' mixed economy through a study of the market system, the role of money, the government's fiscal policy, and the impact of the foreign sector. This course does not apply on a major in accounting or management. No credit is available if ECON 224 or 225 has been taken. (Fall)

ECON 224, 225. Principles of Economics (C-2) 3,3 hours

A survey course in the fundamentals of economics; the institutions, forces, and factors affecting production, evaluation, exchange, and distribution of wealth in modern society. (Fall, Spring)

ECON 314. Money and Banking 3 hours

Prerequisite: ECON 224.

Mediums of exchange, money and credit, banks and their services, the Federal Reserve System, and other financial institutions are considered. (Spring)

BUSINESS ADMINISTRATION

BUAD 128. Personal Finance (F-2) 3 hours

A course in basic economic concepts and business terminology and practices designed to provide the techniques to manage personal finances. Budgeting, consumerism, insurance, home ownership, and investments are included in the topics covered. (Fall, Spring, Summer)

BUAD 313. Business Statistics 3 hours

Prerequisites: CPTR 120 or 125; MATH 104 or an ACT mathematics score of 22 or above.

Descriptive statistics; probability theory and applications including Bayesian revision; the binomial, hypergeometric, Poisson, exponential, normal, student's t, chi-square, and F distributions; inferential statistics including sampling concepts, confidence intervals, and hypothesis testing; multiple regression and correlation; introductory time series analysis. This is an applied (rather than mathematical) approach to statistics, and emphasis will be placed on statistics as a tool of management for decision-making. (Fall)

BUAD 314. Quantitative Methods for Business Decisions 3 hours

Prerequisite: BUAD 313.

Linear programming—simplex method, primal/dual interpretation, transportation problems. Decision theory under classical and Bayesian statistics. Game theory, inventory models and control, queuing theory. Program Evaluation and Review Technique (PERT). (Spring)

Business and Office Administration

65

BUAD 315. Business Finance (W) 3 hours

Prerequisite: ACCT 121-122.

A study of the fundamental principles of financial organization. Emphasis on instruments of finance, policies of capitalization, problems pertaining to working capital, and corporate expansion and reorganization. (Fall)

BUAD 326. Introduction to Marketing 3 hours

A study of the nature and functions of marketing. Includes marketing institutions, basic problems in the marketing of commodities and services, price policies, and competitive practices. (Spring)

BUAD 334. Principles of Management 3 hours

A beginning course designed to study business management including an analysis of business policies viewed from the standpoint of the functional characteristics of the management process and current ethics. (Fall)

BUAD 337, 338. Business Law 3,3 hours

A course designed to study the nature and social functions of law including social control through law and the law of commercial transactions and business organizations. (Fall, Spring)

BUAD 344. Human Resource Management 3 hours

An introduction to the organization, training, motivation, and direction of employees with a view to maintaining their productivity and morale at high levels. Among topics covered are selection, training, compensation and financial incentives, work standards, techniques of supervision and leadership. (Spring)

BUAD 347. Business and Government 3 hours

A study of the ways in which business and economic life are shaped and directed by government. The legal framework within which business is conducted and the evolution of public policy toward business are examined. (Fall)

BUAD 353. Management of a Small Business 3 hours

A course on the principles and problems of organizing and operating a small business. Topics covered will include a procedural system for establishing a new business, providing physical facilities, financing, organizing, and the management of the small business. (Fall)

BUAD 355. Organizational Behavior 2 hours

This course examines the nature and consequences of human behavior in work organizations. Primary emphasis is placed on the interaction between employee needs and organizational requirements, and on the role of management in facilitating mutual goal attainment. Topics covered include: individual differences, perception and attitude formation, motivation, job design, group processes, conflict, leadership, decision-making, and change and development processes. (Spring)

BUAD 357. Business Ethics 3 hours

The ethical and social responsibility of individual managers and the firm are examined as they relate to the needs and demands of society in a Christian

Business and Office Administration

66

environment. Topical issues include social responsibility, personal relations, environmental impact, consumerism, product liability, and discrimination. (Spring)

BUAD 414. Business Policies (W)

3 hours

Prerequisite: BUAD 334.

This course of study is designed to give the student experience in decision-making and problem-solving through the case method. The attention of the student is directed to defining, analyzing, and proposing alternative solutions to business problems from management's viewpoint. (Spring)

BUAD 425. Investment Analysis (W)

3 hours

Prerequisite: ACCT 121.

A practical, as well as a theoretical, approach is taken for the potential investor of institutional or personal funds through the use of problems, readings, and cases. Topics covered will include stocks and bonds in the security market, real estate, and fixed equipment investments. (Spring)

BUAD 431. General Administration of the

Long-Term Care Facility

3 hours

A study of management tools and techniques including theories of organization and management, mechanisms for planning, organizing, directing, and controlling. Includes review of licensing requirements, insurance, business law, human relations, public relations. (Summer)

BUAD 432. Technological Aspects of Long-Term Care

3 hours

A detailed study of the technical aspects of long-term care administration including a review of the history and philosophy of facilities, the relationship to other health care facilities in the total health care delivery system, and technically related medical relationships and services. (Summer)

BUAD 434. Financial Management of the

Long-Term Care Facility

3 hours

A review of techniques and interpretation of financial information for management decision-making in the long-term care facility. (Summer)

BUAD 435. Human Resource Management and Marketing of the

Long-Term Care Facility

3 hours

A study of the organization, training, motivation, and direction of employees with a view to maintaining their productivity and morale at a high level. Selection, compensation, financial incentives, work standards, and leadership are the topics that will be covered. Marketing functions, problems, services, and competitive practices will also be covered. (Summer)

BUAD 488. Seminar in Business Administration

1 hour

This course will include the Eugene Anderson Lecture Series in business. Top men and women in their field will present lectures in insurance, real estate, finance, retailing, production management, etc. Attendance at ten lectures will be required. This course may be repeated for credit. (Spring)

Business and Office Administration

67

BUAD 295/495. Directed Study 1-2 hours

Individual research work open only to business majors. Content to be arranged. Approval must be secured from Department Chairman prior to registration. (Fall, Spring)

BUAD 497. Long-Term Care Administration Internship 8 hours

A tailored program of management experience in a selected long-term care facility will include 400 clock hours of on-the-job experience. One-third regular tuition rate. (Fall, Spring, Summer)

(C-2), (F-2), (G-2), (W) See pages 14-16 for explanation of General Education requirements.

OFFICE ADMINISTRATION

SECR 104. Shorthand I (G-2) 4 hours

This course presents the fundamental principles of Gregg Shorthand, using the individual progress method. Reading and writing of shorthand outlines and longhand transcription are emphasized. Five class periods a week. (Fall)

SECR 105. Beginning Typewriting (G-2) 3 hours

Five class periods each week. One hour of laboratory a week is required. Basic keyboard fundamentals; development of manipulative techniques; development of speed and accuracy on straight copy material and problems; introduction to business letters; simple tabulation. For students with little or no previous training in typewriting. Thirty-five words a minute for three minutes is required. (Fall)

SECR 114. Shorthand II (G-2) 4 hours

Prerequisites: SECR 105 or high school equivalent, and SECR 104 with grade of C or above or consent of instructor.

A continuation of individual progress instruction in which students progress at their own rates in building shorthand skill. Transcription on the typewriter is introduced with increased emphasis on speed building. Five class periods a week. (Spring)

SECR 115. Intermediate Typewriting (G-2) 3 hours

Prerequisite: SECR 105 or equivalent.

Three class periods plus additional laboratory time each week. Continuation of SECR 105; improvement of basic skills; business letter production; tabulated reports; manuscripts; special business forms. (Students with two years of high school typewriting may waive this course by examination.) (Fall)

SECR 213. Records Management 2 hours

Basic principles and procedures of control and storage of records. A simulation involving a study of rules for alphabetic filing and projects on five methods. An overview of automated filing systems and criteria by which records are created, stored and transferred. (Fall)

Business and Office Administration

68

SECR 214. Advanced Typewriting (G-2)

3 hours

Prerequisite: SECR 115 or equivalent.

Three class periods plus additional laboratory time each week. Preparation of final copy from rough drafts; typing of financial statements; complex statistical and tabulated reports, and representative problems from technical and professional offices. (Spring)

SECR 216. Business English

3 hours

Pre- or co-requisite: ENGL 101.

An intensive study of elementary grammar, punctuation, vocabulary, spelling, and word usage as necessary tools for effective written and spoken communication. (Fall)

SECR 218. Business Mathematics and Calculating Machines (G-2)

2 hours

Prerequisite: MATH 099 or ACT score of 12 or above.

The electronic calculator is used to solve common business problems which include: basic arithmetic operations, fractions, percentage, interest, discounts, merchandising, payrolls, depreciation and the use of credit. (Spring)

SECR 219. Offset and Quick Print Operations

2 hours

This course is designed to prepare the student to work in a quick print business operation by operating equipment typical of large corporation in-house printing systems. (Fall, Spring)

SECR 221. Office Transcription

3 hours

Prerequisite: ENGL 101, SECR 216.

Pre- or corequisites: ENGL 102, SECR 214.

Development of skill in producing mailable office transcription. Proficiency in business grammar, punctuation, word usage, and document styles. Emphasis is placed on speed and accuracy in producing mailable copy, using machine transcription. Also, a study of current methods of office reprographics. (Spring)

SECR 223. Concepts of Word Processing

2 hours

Introduces the total concept of word/information processing. Through lectures, films and field trips, the student will learn terminology, practices, procedures, and controls used in modern office environments. This course is designed to acquaint the student with new roles of office workers, new office career opportunities, and electronic office equipment and systems. The student will develop skill in using an electronic memory typewriter. (Spring)

SECR 315. Business Communications (W)

3 hours

Prerequisite: ENGL 101-102.

A study and application of the modern practices in oral and written business communications. Accuracy in grammar, spelling, and punctuation, and the writing of well-knit sentences and clear paragraphs are taught as a means of effective expression in business-letter writing. (Fall, Spring)

Business and Office Administration

69

SECR 316. Medical Terminology

3 hours

Prerequisite: SECR 214 or 316; BIOL 105 or consent of instructor.

A study of medical terms—their pronunciation, spelling, and meaning, and their application to medical secretarial work. Open only to students who are enrolled in a medical emphasis program. (Fall)

SECR 317. Secretarial Procedures

3 hours

Prerequisite: SECR 213; 214; 215 or previous or current enrollment in 323.

An integration of skills learned in previous secretarial courses, together with emphasis on decision-making ability, judgment, business ethics, and initiative used in the secretarial profession. Lectures/simulations. (Spring)

SECR 323. Word Processing Text-Editing

3 hours

Prerequisites: SECR 223, CPTR 120.

Introduces the student to the text-editing capabilities of modern dedicated word processing equipment. The student will complete the self-paced training materials for the Dictaphone System 6000 as well as other supplementary projects. (Fall)

SECR 324. Advanced Word Processing and Transcription

3 hours

Prerequisite: SECR 323.

Continued skill and knowledge in the use of dedicated text-editing equipment. In addition, the student is introduced to word processing software in a general purpose microcomputer and minicomputer environment. (Spring)

SECR 333. Advanced Medical Terminology and Transcription

3 hours

Prerequisites: SECR 223 and 316.

For medical secretarial majors only. Continued emphasis on increasing medical vocabulary, with skill and knowledge developed in the transcription techniques and procedures of medical dictation. Three class periods per week. (Spring)

SECR 295/495. Directed Study

1-2 hours

Open only to majors in Office Administration. Research studies relating to the field of Office Administration are assigned according to the experience and interests of the student. Length of project determines credit.

EDUCATION

EDUC 438. Methods of Teaching Business

2 hours

Prerequisite: Admission to Teacher Education.

A study of the status, disciplines, and curricular structure of business education, the psychology of skill development and measurement, and lesson development of specific classes. An investigation of instructional materials and resources for the business education classroom. Special areas of instruction will be presented for the endorsement clusters of Basic Business, Accounting, Data Processing and Office Technology. Emphasis will be placed on professional development for this area of teaching. (Spring)

(G-2), (W) See pages 14-16 for explanation of General Education requirements.

CHEMISTRY

Mitchell Thiel, Ph.D.

Steve Warren, Ph.D., Chairman

Since everything we touch, eat, wear, or use is made of chemicals, the study of chemistry is an exciting and yet practical pursuit. A major in Chemistry can be your key to a rewarding and challenging career in a wide variety of areas such as the basic sciences or industrial research, pharmacology, toxicology, chemical engineering, forensic chemistry, chemistry education, medical and paramedical careers, as well as many business applications such as pharmaceutical and chemical sales, patent research and patent law, marketing and consulting, to name just a few.

The B.S. degree in Chemistry is recommended in preparation for graduate study leading to research oriented careers, professional applications of chemistry, or post-secondary education. The B.A. degree is the preferred degree for high-school teaching, premedicine, or paramedical fields and possibly for some of the business applications.

BACHELOR OF ARTS DEGREE IN CHEMISTRY

Major: Thirty hours including CHEM 151-152, 311-312, 313-314, 315, 321, 485 or 497. CHEM 411-412, 413-414 may be substituted for CHEM 315, 321. The first course in Calculus is a cognate requirement. CPTR 125 or 131 is strongly recommended.

BACHELOR OF SCIENCE DEGREE IN CHEMISTRY

Major: Forty hours including CHEM 151-152, 311-312, 313-314, 315, 321, 325, 411, 412, 413, 414, 485, and 497 are required. Cognate requirements are: PHYS 211-212, 213-214, MATH 115, 217 or 315, CPTR 125 or 131. German or French is highly recommended. This course of study is designed for the professional chemist.

Minor: Eighteen hours, six of which must be upper division.

Teaching Endorsement: The student must earn a major in the subject area of his first teaching field. He may add the following endorsements by meeting the number of hours indicated below.

Chemistry

CHEM 151-152	General Chemistry	8 hours
	Organic Chemistry	4 hours
	Analytical Chemistry	4 hours
	TOTAL	16 hours

General Science

BIOL 155, 156	Foundations of Biology	8 hours
	Chemistry and Physics electives	8 hours
	TOTAL	16 hours

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

Year-by-year outlines for each major offered are listed on page 260.

CHEM 103. Pre-General Chemistry **2 hours**

Prerequisite: Successful completion of two years of high school algebra or MATH 104.

Basic concepts in chemistry and mathematics as needed to begin General Chemistry. Two hours of lecture each week. Does not apply on a major or minor in chemistry. Taught second semester only. (Spring)

CHEM 111-112. Survey of Chemistry (E-2) **3,3 hours**

Prerequisite: A course in high school algebra. A minimum Mathematics ACT score of 12 or a minimum grade of "C" in MATH 099 are required.

A survey course designed to familiarize the student with the basic principles of inorganic, organic and biochemistry. Three hours of lecture each week. Does not apply to a major or minor in chemistry. (Fall, Spring, Summer)

CHEM 113-114. Survey of Chemistry Laboratory (E-2) **1,1 hours**

Prerequisite: Previous or concurrent enrollment in CHEM 111-112.

Laboratory material designed to illustrate the material in lectures of CHEM 111-112. Three hours of laboratory each week. Does not apply on a major or minor in chemistry. (Fall, Spring)

CHEM 151-152. General Chemistry (E-2) **4,4 hours**

Prerequisites: High school chemistry and mathematics through Intermediate Algebra or Pre-General Chemistry.

An introduction to the fundamental laws and accepted theories along with applications to the various fields of chemistry. Three hours of lecture and three hours of laboratory each week. (Fall, Spring)

CHEM 203. Concepts of Biochemistry (E-2) **4 hours**

Prerequisite: CHEM 111 or successful completion of a high school chemistry course.

A review of basic chemistry and an introduction to the fundamental organic chemistry and biochemistry of the body with emphasis on physiological chemistry. Three hours of lecture and 2½ hours of lab each week. Does not apply on a major or minor in chemistry. (Fall, Spring)

CHEM 311-312. Organic Chemistry **3,3 hours**

Prerequisite: Successful completion of CHEM 151-152 or its equivalent.

Many of the fundamental functional groups of both aliphatic and aromatic carbon compounds are studied. Attention is also given to spectroscopy, relative reactivities, reaction mechanisms and physical properties of these compounds. There are three hours of lecture each week. (Fall, Spring)

CHEM 313-314. Organic Chemistry Laboratory 1,1 hours

Prerequisite: Previous or concurrent enrollment in CHEM 311-312.

Experiments are done to acquaint the student with the basic organic chemistry laboratory techniques; melting points, boiling points, recrystallization, distillation, separations, etc. The exercises also illustrate reactions that are discussed in CHEM 311-312. Four hours of laboratory each week. (Fall, Spring)

CHEM 315. Analytical Chemistry 4 hours

Prerequisite: CHEM 151-152.

A study of equilibria as it applies to analytical chemistry. Techniques of determinations, sampling, handling of data, and the detailed chemistry involved is studied in terms of quantitative determinations. Three hours of lecture and three hours of laboratory each week. (Fall)

CHEM 321. Instrumental Analysis 4 hours

Prerequisite: CHEM 315.

A study of the theories, techniques and instruments involved in spectrometry, chromatography, electrochemistry and radiochemistry. Three lectures and one laboratory session per week. (Spring)

CHEM 323. Biochemistry 4 hours

Prerequisite: CHEM 311-312.

The materials, mechanisms, and end products of the processes of life under normal and pathological conditions are studied. Four hours of lecture each week. (Spring)

CHEM 325. Organic Qualitative Analysis 2 or 3 hours

Prerequisite: CHEM 311-312; 313-314.

Application of solubility principles, classification reactions, and the preparation of derivatives for the identification of both pure compounds and mixtures. Two hours of lecture for nine weeks, and three or six hours of laboratory each week. Offered on sufficient demand. (Fall)

CHEM 411. Physical Chemistry 3 hours

Prerequisites: CHEM 151-152; CPTR 125 or 218; PHYS 211-212; MATH 115.

A study of gases, kinetic theory, liquids, solids, and thermodynamics. Three hours of lecture each week. Taught alternate years. (Fall, even years)

CHEM 412. Physical Chemistry 3 hours

Prerequisite: CHEM 411.

A study of electrochemistry and conductivity, reaction kinetics, molecular structure, nuclear chemistry, absorption and colloids. Three hours of lecture each week. Taught alternate years. (Spring, odd years)

CHEM 413, 414. Physical Chemistry Laboratory 1,1 hours

Prerequisites: CHEM 315, also CHEM 411, 412 must be taken concurrently or previously.

Experiments chosen to illustrate material in CHEM 411, 412. One laboratory period each week. (Fall, Spring)

CHEM 485. Chemistry Seminar (W) 1 hour

Prerequisite: CHEM 311-312.

Written and oral reports are made on specific topics in the chemistry field. To be taken in the junior or senior year. (Fall)

CHEM 295/495. Directed Study 1-3 hours

Prerequisite: CHEM 151-152.

Designed for junior and senior students who wish to do private study or for a group of students who wish a special course on topics not taught under the regular class offerings. (Fall, Spring)

CHEM 497. Introduction to Research (W) 1 to 2 hours

Prerequisite: 20 hours of chemistry or permission of the instructor.

Individual research under the direction of the members of the staff. Problems are assigned according to the experience and interest of the student. Prior to registration, two semesters before graduation, students are urged to contact all chemistry staff members with respect to choice of available problems. Should be taken not later than the first semester of the senior year. (Fall, Spring)

EDUCATION

EDUC 438. Methods of Teaching Chemistry 2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year. (Spring)

Taught at the Orlando Center

CHEM 203. Concepts of Biochemistry (E-2) 4 hours

(E-2), (W) See pages 14-16 for explanation of General Education requirements.

COMPUTER SCIENCE

John Beckett, B.A.
Lawrence Hanson, Ph.D.
Timothy Korson, Ph.D., Chairman
Merritt MacLafferty, M.A.

Computer Science deals with the control programs that govern the behavior of modern digital computers. In modern society, it is rare that a day passes without the average person interacting, in some way, with computers. From the tiny microcomputers that govern the fuel consumption of automobiles to the huge machines that process the millions of transactions in the marketplace, the computer has become an inseparable part of modern life.

With the burgeoning use of computers, however, comes the alarming fact that there will continue to be a shortage of computer professionals. Formerly, companies were willing to hire and train applicants with minimal formal computer knowledge. In today's high technology society, however, employers expect applicants to already possess substantial skills and knowledge, such as are gained by earning a B.S. degree in Computer Science at Southern College. Once an individual has acquired these skills, the opportunities in industry, education, and research are excellent.

The Southern College graduate will be well qualified to assume the responsibilities of an entry level programmer. Furthermore, he will have the training necessary for career advancement into positions such as Data Base Administrator, Systems Analyst, Systems Programmer, Team Leader, and Data Processing Administrator.

CODE OF COMPUTER CONDUCT AT SOUTHERN COLLEGE

1. Users must use only those computer accounts which have been authorized for their use.
2. Users must use their computer accounts only for the purposes for which they were authorized, as arranged with the Computer Service Department.
3. Users should minimize the impact of their work on the work of other users. It is the responsibility of the user to learn efficient means of utilizing the computer.
4. Users must not attempt to subvert the restrictions associated with their computer accounts.
5. Users must not attempt to access information concerning the data or jobs of other users except as provided by techniques arranged for that purpose by the Computer Service Department.

6. Student users shall not exceed default parameters for priority factors except in cases where published policy provides for differences.

BACHELOR OF BUSINESS ADMINISTRATION

Major in Computer Information Systems: Sixty-six hours consisting of CPTR 127, 131, 132, 217, 317, 318, 319, 324, 325, 326, 409, 485; ACCT 121, 122, 321; ECON 224, 225; BUAD 313, 314, 334, 337, and eight hours of electives from business or computer. Cognates required: MATH 114, SPCH 135.

BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE

Major: Forty hours consisting of CPTR 127, 131, 132, 217, 219, 317, 318, 319, 324 or 325, (409 or 410), 485 and ten hours of computer electives, four of which must be upper division. Cognates required: MATH 114, (MATH 215 or BUAD 313), BUAD 334.

Those electing a B.S. in computer science will recognize that they need an area of application and should thus plan substantial course work in another area, e.g., business, psychology, mathematics, or physics. To be well prepared for an immediate job, a double major should be considered.

BACHELOR OF ARTS DEGREE IN COMPUTER SCIENCE

Major: Thirty hours consisting of CPTR 127, 131, 132, 217, 219, 317, 318, 319, (324 or 325), 485 and three hours of upper division computer electives. Cognates required: MATH 114, (MATH 215 or BUAD 313), BUAD 334.

Minor: Eighteen hours including: CPTR 131, 132, 318. Of the remaining nine elective hours, three must be upper division.

The minor is an excellent background for those whose profession is outside of data processing, but who will have to use the computer in their job, or work closely with DP personnel. The minor is also appropriate for any student who simply has an interest in computers.

ASSOCIATE OF SCIENCE DEGREE IN COMPUTER SCIENCE

Major: Twenty-four hours in computer science consisting of: CPTR 127, 131, 132, 217, 219, 317, 318, 319. Cognates required: ACCT 121, 122, 321; BUAD 334.

Students planning to do graduate work in computer science or desiring a more technical program should consult a computer science teacher as early as possible.

Year-by-year outlines for each major offered are listed on page 261.

CPTR 105. Word Processing (G-2)

1 hour

Prerequisite: A typing course or permission of instructor.

Word processing on a microcomputer including techniques for creating form letters, and using an electronic dictionary to check spelling. This course does not apply on a major and may not be taken for credit if credit has been received for CPTR 127. (Spring)

CPTR 106. Financial Applications (G-2)

1 hour

The use of spreadsheet software on a microcomputer as an aid to financial planning and management. This course does not apply on a major and may not be taken for credit if credit has been received for CPTR 127. (Spring)

CPTR 107. Data Base Applications (G-2)

1 hour

A course using microcomputers as electronic filing cabinets. Information retrieval, report generation, adding, deleting, and updating information. This course does not apply on a major and may not be taken for credit if credit has been received for CPTR 127. (Spring)

CPTR 120. Introduction to Computer-Based Systems (G-2)

3 hours

An overview of computer information systems. This survey course introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments of society. The fundamentals of computer problem solving and programming in a higher-level programming language are discussed and applied. This course does not apply on a major in Computer Science. (Fall, Spring)

CPTR 125. BASIC Programming Language (G-2)

3 hours

An introduction to the BASIC programming language. The student will be introduced to proper techniques of program design, coding, documentation and testing of the computer. No prior knowledge of data processing or computer programming is required. This course does not apply on a major. (Fall, Spring)

CPTR 127. Micro Tools (G-2)

3 hours

Prerequisite: MATH 104 or MATH ACT of 22 or permission of instructor.

A hands-on course designed for those who anticipate using a micro in their place of employment. Software packages in data base management, spreadsheet analysis, and word processing will be covered as well as basic hardware concepts and common terminology. No student may receive credit for CPTR 105, 106, or 107 if he has credit for CPTR 127. (Fall)

CPTR 131. Fundamentals of Programming I (G-2)

3 hours

Prerequisite: MATH 104 or MATH ACT of 22 or permission of instructor.

Control structures, data types, data representation, compiling, debugging, modularity, and standard programming algorithms are introduced via Pascal. (Fall, Spring)

CPTR 132. Fundamentals of Programming II (G-2) 3 hours

Prerequisite: CPTR 131; Pre- or corequisite: SECR 105 or typing speed of 35 wpm.

An introduction to software technology for the development of reliable, modifiable programs. (Spring)

CPTR 217. COBOL Programming Language (G-2) 3 hours

Prerequisite: CPTR 131.

Semantics and syntax of COBOL. Emphasis is placed on business problems using the COBOL Language. (Fall)

CPTR 218. FORTRAN Programming Language (G-2) 3 hours

Prerequisite: MATH 114.

Syntax and semantics of arithmetic expressions and statements. Precedence hierarchy of arithmetic operations and relational operators. Global properties of algorithmic languages including scope declarations, storage allocation, grouping of statements, and subroutines. This course does not apply on a major. (Fall)

CPTR 219. Symbolic Assembler Language 3 hours

Prerequisite: CPTR 131.

Computer structure, machine language, instruction execution, addressing techniques, and digital representation of data. Computer systems organization, symbolic coding and assembly systems and program segmentation and linkage. Systems and utility programs, programming techniques, and recent developments in computing. Several computer projects to illustrate basic machine structure and programming techniques. (Spring)

CPTR 250. RPG II 3 hours

Prerequisite: CPTR 131.

Editing data, control breaks, computation, files, records, comparing records, matching records, exception reports, array and table processing, and sequential and indexed sequential file processing in RPG II. (Fall)

CPTR 317. Introduction to File Processing 3 hours

Prerequisite: CPTR 217.

Tape and disc operations. Includes coverage of sequential and random access files and processing techniques. Development of programs and systems of programs for batch and interactive environments using COBOL. (Spring)

CPTR 318. Data Structures 3 hours

Prerequisites: CPTR 132, MATH 114.

Stacks, recursions, queues, lists, trees, graphs, sorting and searching. (Fall)

CPTR 319. Data Base Management Systems 3 hours

Prerequisites: CPTR 318, 217.

Introduction to relational, hierarchical, and network approaches. Design, implementation, and management issues. (Spring)

CPTR 324. Systems Analysis

3 hours

Prerequisite: CPTR 319 or 317.

System development life cycle, system documentation through the use of both classical and structured tools and techniques for describing data flows, process flows, input and output necessary for defining logical system requirements. Structured techniques for dealing with complexity in the development of computer based information systems.

CPTR 325. Systems Design

3 hours

Prerequisite: CPTR 319 or 317.

Logical and physical system design. Hardware/Software selection and evaluation. Logical Data Base Design. Theories relating to module design, module coupling, and module strength. Techniques for reducing a system's complexity.

CPTR 326. Systems Management

3 hours

Prerequisite: CPTR 319 or 317.

This course presents management principles unique to the data processing environment. Emphasis is placed on site preparation, security, software version control, and user services.

CPTR 360. Computer Hardware and System Software Concepts

3 hours

Prerequisites: CPTR 219, 132.

Computer systems components, main storage organization, instruction sets and data representation, program translation concepts, operating system concepts, secondary storage concepts, multi-processor systems, microprogramming, and array processors. (Fall)

CPTR 405. Organization of Programming Languages

3 hours

Prerequisites: CPTR 131, 217, 219.

Develops understanding of the organization of programming languages and their run time behavior. A comparative study, introducing the student to a variety of languages. (Spring)

CPTR 409. Software Development Internship

3 hours

Prerequisites: CPTR 323 or permission of instructor.

A minimum of 120 hours of programming experience. The Computer Science Department may prearrange some practicums with commercial data processing departments. These positions must be applied for six weeks prior to registration. Students, however, are encouraged to be responsible for setting up their own practicums. This must be done within the guidelines of the department (see instructor), and arrangements should be completed six weeks prior to the start of the practicum. (Summer)

CPTR 410. Applied Software Development Project

3 hours

Prerequisite: CPTR 323.

Students will be involved in a semester-long programming project starting with information requirements analysis and ending with testing and installation. (Fall)

CPTR 485. Computer Science Seminar (W) 1 hour

Prerequisite: CPTR 318 and 3 hours of CPTR credit numbered 319 or above.
Written and oral reports are made on specific topics treated in current computer science literature. (Spring)

CPTR 290/490. Topics in Computer Science 1-3 hours

Prerequisite: Permission of Computer Science staff.
Topics selected from areas of computer science not covered in other courses.
May be repeated with permission to a maximum of six hours.

CPTR 295/495. Directed Study 1-3 hours

Prerequisite: Consent of instructor and division head.
Individual or group work adjusted to meet particular needs of computer science students. May be repeated for credit up to six hours.

(G-2) See pages 14-16 for explanation of General Education requirements.

EDUCATION AND PSYCHOLOGY

Ben Bandiola, Ph.D.
Gerald Colvin, Ed.D., Ph.D., *Chairman*
Desmond Rice, Ed.D.
Cyril Roe, Ed.D.
Jeanette Stepanske, M.A.

Methods Teachers and Student Teacher Supervisors: Education faculty, Joyce Cotham, Robert Garren, Floyd Greenleaf, Phil Garver, Al Morford, Helmut Ott, Marvin Robertson, David Smith, Ron Springett.

The teacher education programs are founded upon a liberal arts demand for breadth and depth of knowledge and experience and on the idea that a teacher should be a good example in health, intellect, and character.

The Education program offers courses leading to the Bachelor of Science in Elementary Education with an optional endorsement for kindergarten teaching. Furthermore, in cooperation with other subject areas, the following secondary certification programs are available: Art, Bible, Business (Office Administration), English, Foreign Languages, Health and Physical Education, History, Home Economics (non-vocational SDA only), Mathematics, Music, and Science (Biology, Chemistry, and Physics). It must be noted that the above endorsements are under review and may be modified.

The National Teachers Examination (NTE) is required for certification. It is necessary that teacher education students apply at the Testing and Counseling office to take the core battery and specialty areas of this examination during the last semester of the senior year.

Accreditation

Southern College's programs in teacher education are approved by the Tennessee State Board of Education, the Department of Education of the General Conference of Seventh-day Adventists, the American Association of Colleges for Teacher Education, and the National Council for Accreditation of Teacher Education (NCATE).

Southern College's teacher education programs prepare the individual for certification to teach in North American Seventh-day Adventist schools and public schools.

The student who completes Southern College's approved program and is recommended for certification will have indicated on the transcript that his program was NCATE approved. This recognition makes certification in many states much easier.

Each student will be responsible for determining additional courses required for certification in any state he desires such recognition.

Application for state and denominational certification is made

through the Teacher Certification Officer in the Department of Education. To be eligible for certification the teacher education student must always meet the most current Tennessee and denominational certification requirements.

Aims

Courses in Education are offered to provide the necessary professional preparation to meet certification requirements for public and church-related kindergarten, elementary, and secondary classroom teaching, to afford a general understanding of the school as a social institution for those entering services other than teaching, and to serve as preparation for graduate programs.

Requirements

The criteria for admission to Teacher Education, outlines of teaching majors in secondary education, and policies and procedures related to student teaching may be obtained from the Department secretary in Summerour Hall. Outlines of courses of teaching majors in secondary education are also listed in the CATALOG under the respective academic divisions.

I. ADMISSION TO THE TEACHER EDUCATION PROGRAM

- A. The first semester of the sophomore year but no later than the second semester of the sophomore year, the student should file a formal application. This applies to both elementary and secondary teacher education candidates. Transfer students wishing to enter the Teacher Education program later than the sophomore year should file an application the first semester in residence.
- B. Teacher education institutions are charged with the responsibility of assuring that students approved for entrance into teacher preparation programs demonstrate competency in the verbal and quantitative skills at an approved performance level. As a requirement for admission to the Teacher Education Program, all students must demonstrate this competency by obtaining a specific score on the Pre-Professional Skills Test (PPST), a standardized test approved by the State Board of Education. Inquiries concerning this test may be made with the Department secretary in Summerour Hall or at the Testing and Counseling office.
- C. The Education faculty, along with other personnel, evaluate the candidates and recommend them to the Teacher Education Council. The Council will then admit competent individuals who also meet the following criteria:
 1. Be in residence at the College.

2. Have an overall grade point average of 2.25.
 3. Have completed ENGL 101-102 with a minimum of C-.
 4. Show evidence of physical, mental, and moral fitness.
 5. Indicate professional commitment to education at time of interview with the Education faculty.
 6. Have successfully completed the following classes: EDUC 125 and 134.
 7. Have passed the Pre-Professional Skills Test (PPST) which is the entrance competency test required by the State of Tennessee.
 8. Have taken the 16-Personality Factor Questionnaire.
- D. The student will be informed in writing as to the status of the application for admission following the action of the Teacher Education Council.
- E. Upon admission into the Teacher Education program students will be permitted to take education courses numbered 200 or above.

II. ADMISSION TO PROFESSIONAL SEMESTER

- A. A formal application must be filed with the Department Chairman prior to the end of the junior year. A later application may delay the student teaching experience.
- B. Applicant's qualifications:
1. Before applicants may be admitted to the professional semester, they must have completed all lower division professional education courses, plus at least 8 hours in methods courses for the elementary school majors. Student teaching is regarded as the culmination of the Teacher Education program.
 2. Elementary education applicants must have a grade point average of at least 2.5 in the professional core and a 2.25 grade point average in required non-major subjects. Secondary teacher education applicants must have a minimum grade point average of 2.5 in the professional core subjects and a minimum grade point average of 2.5 for subject area endorsements both overall and at SC.
 3. All applicants must show evidence of good physical and mental health.
 4. All applicants must adhere to the standards and objectives of Southern College and the teacher education program.
 5. All applicants must be approved by action of the Education faculty and the Teacher Education Council.
- C. The student will be informed in writing as to his status in the teacher education program.

III. RETENTION IN THE TEACHER EDUCATION PROGRAM

A. The progress of each prospective teacher will be reviewed after each nine-week period by the Department Chairman or a delegated member of the Education faculty.

1. Criteria include:

- a. Adequate academic progress including maintenance of the academic standard required for admission to the teacher education program.
- b. Consistent personal representation of the standards and objectives of Southern College and the teacher education program.

B. The teacher education faculty reserves the option to disqualify a person at any point in his teacher education program if it becomes evident that standards for admission are not being upheld. The student has the right to appeal any such decision through the Teacher Education Council with the Vice President for Academic Administration in consultation.

C. The required courses for graduation may be altered during the student's program at any time to meet revised certification standards of either the denomination or the state. It is the responsibility of each student to check periodically with the certification officer to ensure requirements are being met.

BACHELOR OF ARTS DEGREE IN PSYCHOLOGY

Major: Thirty hours including PSYC 124, 128, 315, 384, and 415. Cognate requirements are MATH 215 and three hours each in biology and computer science.

BACHELOR OF SCIENCE DEGREE IN ELEMENTARY EDUCATION

Major: Forty-one hours including EDUC 125, 134, 217, 230 or 231, 240, 332, 333, 356, 427, 443, 453, 454, 455, 456, 457, 467. Cognate requirements include HLED 203; GEOG 204; LIBR 325; ENGL 218.

Kindergarten Endorsement: Students desiring a kindergarten endorsement must include in their program of studies EDUC 426, 466, and PSYC 128.

Professional Semester: One semester of the senior year is a professional semester. Its required curriculum includes the following:

Education / Psychology

84

First part of the semester:

EDUC 356 Tests and Measurements	2 hours
EDUC 427 Current Issues in Education	2 hours
EDUC 443 Classroom Competencies	3 hours

Second part of the semester:

EDUC 467 Student Teaching	8 hours
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Because of time commitments during the student teaching experience, employment will not be permitted and additional course work will be by permission only.

The Education faculty will endeavor to provide the opportunity for student teachers to teach in off-campus student teaching centers.

Correspondence credit will be accepted to the extent of one-fourth of the credit required for the certificate provided that no more than four semester hours in education are applied on the professional education requirement. If personal circumstances demand a correspondence course, a petition must be filed with the Teacher Education Council and its approval obtained before registering for the course. The course must be completed and the grade filed in the Records Office before student teaching is begun.

Subject Matter Requirements: Even though the Elementary Education student may elect to take a major and a minor in teaching fields represented in the elementary school curriculum, he or she must also satisfy the following Tennessee requirements for certification:

A. Basic Academic Skills

College Composition 101-102	6 hours
Mathematics	6 hours

B. Religion 12 hours

Christian Beliefs 155, Adventist Heritage 238 and 6 hours of RELB.

C. History/Political Science/Economics

American History 154, 155	6 hours
World Geography 204	3 hours

D. Language/Literature/Fine Arts

Listening to Music 115 and Art

Appreciation 218 or Humanities 205	3-5 hours
Literature	6 hours
Speech	3 hours

E. Science

Biology	4 hours
Chemistry or Physics	4 hours
Earth Science	4 hours

F. Behavioral and Family Science

Intro to Sociology 125 or	
Family Relations 365	3 hours
Health and Life 173	2 hours
Safety Education 203	2 hours

G. Skills

Library Materials for Children 325	3 hours
Physical Education activity courses	4 hours
Physical Education in the Elem. Sch. 463	2 hours

TEACHING CERTIFICATE

All candidates for a teaching certificate are required to take the core battery and the appropriate specialty area of the National Teacher Examination, usually in their senior year.

SECONDARY EDUCATION TEACHING CERTIFICATE

1. Professional Education Requirements: 26 semester hours.

The following are required courses:

A. Must be taken prior to admission into Teacher Education Program.

EDUC 125 Foundations of Education	3 hours
EDUC 134 Principles of Christian Education	2 hours

B. To be taken only after admission into Teacher Education Program.

EDUC 217 Psychological Foundations of Education	3 hours
EDUC 240 Education for Exceptional Children and Youth	2 hours
EDUC 432 Reading in the Secondary School	2 hours

C. To be taken during the professional semester.

EDUC 356 Tests and Measurements	2 hours
EDUC 427 Current Issues in Education	2 hours
EDUC 437 Curriculum and General Methods	2 hours
EDUC 438 Special Methods Grades 7-12	2 hours
EDUC 468 Student Teaching Grades 7-12	6 hours

In addition to the above, all English majors seeking secondary education endorsement will be required to take EDUC 332 or 333.

All students seeking certification in Religion must take Special Methods of Teaching Bible (EDUC 438) regardless of whether they have other special methods courses.

Students who are planning to be dormitory deans are advised to take EDUC 355 and EDUC 415.

All candidates for a teaching certificate are required to take the core

Education / Psychology

86

battery and the appropriate specialty area of the National Teacher Examination, usually in their senior year.

In order to meet Seventh-day Adventist certification requirements for secondary teaching the student must also take in addition to the above:

RELB	Biblical Studies	6 hours
RELT 255	Christian Beliefs	3 hours
RELT 138	Adventist Heritage	3 hours
HLED 173	Health and Life	2 hours

2. Professional Semester:

One semester of the senior year is a professional semester.

Some secondary methods classes are taught only first or second semester. Consult class schedule for current offerings.

Courses marked in section 1C above should be taken in the following sequences:

First part of the semester:

EDUC 356	Tests and Measurements	2 hours
EDUC 427	Current Issues in Education	2 hours
EDUC 437	Curriculum and General Methods	3 hours
EDUC 438	Special Methods Grades 7-12	2 hours

Second part of the semester:

EDUC 468	Student Teaching Grades 7-12 (full day)	6 hours
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Because of time commitments during the student teaching experience, employment will not be permitted and additional course work will be by permission only.

The Education faculty will endeavor to provide the opportunity for student teachers to teach in off-campus student teaching centers.

Correspondence credit will be accepted to the extent of one-fourth of the credit required for the certificate provided that no more than four semester hours in education are applied on the professional education requirement. If personal circumstances demand a correspondence course, a petition must be filed with the Teacher Education Council and its approval obtained before registering for the course. The course must be completed and the grade filed in the Records Office before student teaching is begun.

It is expected that any student entering the professional semester will have completed all course materials up to that point. Specifically, no student will be allowed to enter Special Methods of Teaching (EDUC 438) or Curriculum and General Methods (EDUC 437) with any incompletes on their transcript.

ADDITIONAL TEACHING CERTIFICATES

In order for a person to obtain an additional teaching credential, the classwork for that credential may not be completed before the original credential is issued.

1. PROGRAM FOR ELEMENTARY ENDORSEMENT FOR INDIVIDUALS MEETING REQUIREMENTS FOR SECONDARY CERTIFICATION. Eighteen semester hours (listed on the following pages) are required. A minimum of 12 semester hours from these courses must be completed after the date the applicant became eligible for a professional certificate endorsed in a subject area in grades 7-12 or in a subject area in grades K-12.

A. Required Courses:

EDUC 332, Teaching of Reading	2 hours
EDUC 333, Developmental Reading	2 hours
EDUC 453, Mathematics Methods in the Elementary School	2 hours
EDUC 454, Science and Health Methods in the Elementary School	2 hours
EDUC 455, Bible Methods in the Elementary School	2 hours
EDUC 456, Language Arts Methods in the Elementary School	2 hours
EDUC 457, Social Studies Methods in the Elementary School	2 hours

B. Four semester hours to include two of the following three areas:

EDUC 230, Elementary Methods in Curriculum and Instruction: Art	2 hours
EDUC 231, Elementary Methods in Curriculum and Instruction: Music	2 hours
PETH 463, Physical Education in the Elementary School	2 hours

C. Two semester hours must be in Survey of Exceptional Children if not previously successfully completed. If Survey of Exceptional Children or any of the above required courses in Section A or Section B have been previously completed, the remaining semester hours must be taken from the following courses:

- | | |
|--------------------------|--------------|
| a. Children's Literature | c. Health |
| b. Tennessee History | d. Geography |

D. Two to three semester hours of student teaching.

2. PROGRAMS FOR SECONDARY ENDORSEMENT FOR INDIVIDUALS MEETING REQUIREMENTS FOR ELEMENTARY EDUCATION CERTIFICATION. Ten semester hours of credit after the date the original certificate was earned. Six semester hours of the ten must be

in specialized professional education appropriate to grades 7-12 and must include a minimum of 2 semester hours of appropriate methods. The credit for at least one area of endorsement in grades 7-12 may have been earned at any time prior to the application for adding the endorsement.

1. Meet the State of Tennessee requirements for endorsement in at least one teaching field (this will vary from 18 to 51 hours).
2. A minimum of six semester hours of professional education including:
 - A. EDUC 437 or EDUC 438.
 - B. Any other courses designated by the Department of Education.
3. Four semester hours of electives in addition to the Elementary Education degree requirements.

3. APPROVED PROGRAM IMPLEMENTATION BY STATE BOARD OF EDUCATION

Procedures for securing SC's recommendation for state certification of students from institutions located out of the state:

1. Application is made to the teacher certification officer through the Records Office accompanied by an official transcript and a recommendation from the applicant's school.
2. Assessment of deficiencies will be made by the Teacher Certification Officer and approved by the Department and the Teacher Education Council.
3. The Teacher Certification Officer will inform the applicant of any deficiencies.
4. A fee of twenty-five dollars (\$25) will be charged for this service, to be refunded upon completion of courses at Southern College.

Year-by-year outlines for each major offered are listed on page 264.

COURSES IN EDUCATION

EDUC 100. Student Orientation

1 hour

A course designed to introduce and facilitate adjustment to college life. Topics covered include college level study skills, time management, on-campus student services, and an introduction to various departments of study regarding career planning.

EDUC 125. Foundations of Education

3 hours

An orientation to early childhood, elementary and secondary education. Included in this course are 20 hours of observation in child care, elementary and secondary classrooms and a study of the history and organization of education, as well as an introduction to professional literature. The student is required to take all screening tests for admission to the teacher education

program, as well as completing application forms. (Only two hours credit available if the student already has credit for EDUC 123.) (Fall, Spring)

EDUC 134. Principles of Christian Education 2 hours

An overview of the purposes, administrative organizations and operations of school systems, identified as Christian in purpose, with particular emphasis on the Seventh-day Adventist educational system. (Not open to students who already have credit for EDUC 133.) (Fall, Spring)

Students taking Education courses numbered 200 and above must have credit for EDUC 125 and 134 and be admitted to the Teacher Education program. Exceptions may be granted by permission of the Department of Education chairman.

EDUC 217. Psychological Foundations of Education (F-1) 3 hours

Prerequisite: Admission to Teacher Education or permission of the Department of Education chairman.

A study of the processes of human growth, development, and learning, joined to the practical application of this knowledge to teaching.

EDUC 230. Elementary Methods in Curriculum and Instruction: Art 2 hours

Prerequisite: Admission to Teacher Education

A study of the aims, philosophy, and methods of teaching art on the various levels of the elementary school. Observation and participation in art activities with elementary students will be scheduled.

EDUC 231. Elementary Methods in Curriculum and Instruction: Music 2 hours

Prerequisite: Admission to Teacher Education, MUCT 100 (or permission of instructor) or MUHL 115.

A course designed to prepare teachers to direct the music activities in the elementary classroom. The content includes appreciation, singing, playing, and rhythmic activities with attention to current methods including Orff, Kodaly, and movement education. Observation and participation in the music program of the elementary school is required. (Fall, Spring, alternate Summers)

EDUC 240. Education for Exceptional Children and Youth 2 hours

Prerequisite: Admission to Teacher Education.

A course in the education of exceptional children in the regular classroom. It includes a study of the wide range of factors contributing to the exceptionality, the identification of exceptional children and youth by the classroom teacher and the consequent classroom implications. (Fall, Spring, alternate Summers)

EDUC 250. Computers in the Classroom (G-2) 2 hours

Prerequisite: Admission to Teacher Education.

The course is an introduction to the use and evaluation of computers in the elementary and secondary classroom. Experience and evaluation will be

given to a wide range of educational software such as records, gradebooks, word processing, accounts, and computer assisted instruction.

EDUC 275. Child Care Practicum

2 hours

Prerequisite: EDUC 125, 134, 217, 240; HLED 173, 203; BUAD 128.

The student devotes at least 80 hours of on-the-job practice under the supervision of a certified elementary education director. Experiences should include; registration and advertising, program design and management, budgeting, preschool instruction, and parent consultation.

EDUC 284-285. Montessori Methods I and II

2,2 hours

A detailed study of the Montessori philosophy, materials, and activities. This course is taught in a Montessori School off campus by a certified Montessori instructor and includes a paid practicum. Students must pass a written exam and correctly demonstrate the use of Montessori materials as part of the final exam.

Both sections should be completed satisfactorily for Montessori Certification.

EDUC 332. Teaching of Reading

2 hours

Prerequisite: Admission to Teacher Education.

Survey of the materials and methods used in teaching reading in the elementary grades. It emphasizes the approaches to teaching reading including phonics instruction. The course involves approximately three hours of supervised practicum along with one hour of lecture each week. (Fall)

EDUC 333. Developmental Reading (W)

2 hours

Prerequisite: EDUC 332 and Admission to Teacher Education.

A detailed study of the development of vocabulary, comprehension, and study/reference skills in the elementary grades. Causes of reading problems, assessment procedures, and organization of a sound reading program are stressed. (Spring and Summers on demand)

EDUC 355. Administrative and Personnel Work of Deans

2 hours

A basic professional course in the administration of the school home. (Offered on demand.) (Spring)

EDUC 356. Tests and Measurements

2 hours

Prerequisite: Admission to Teacher Education or permission of the department chairman.

An evaluation of classroom learning and teacher-made tests as well as an overview of selected ability, achievement, interest, and personality tests. Principles of effective test construction and selection are studied, particularly as they apply to sampling, validity, reliability, and norming. (Fall, Spring)

EDUC 415. Secondary School Homes Practicum

2 hours

Prerequisite: EDUC 355.

This course is designed to provide resident experience in secondary school home administration under the supervision of a successful dean. Usually taken concurrently with student teaching. (Fall, Spring)

EDUC 426. Kindergarten Methods

3 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

Designed to give the student an understanding of administration, program planning, materials, and strategies for teaching in preschool. Emphasis is given to application of the principles of child development and learning to promote harmonious physical, mental, social, and emotional growth. Observation and participation required. (Fall, Spring)

EDUC 427. Current Issues in Education (F-1), (W)

2 hours

Prerequisite: Admission to Teacher Education.

An analysis of social and philosophical forces influencing American education today, with special emphasis on the schools as social institutions. (Not open to students who already have credit for EDUC 425.)

EDUC 432. Reading in the Secondary School

2 hours

Prerequisite: Admission to Teacher Education.

This course will help teachers focus on those reading skills essential for the needs of secondary school pupils. It will include the teaching of reading in the content areas of one's major field, the program elements with procedures and processes involved along with their classroom applications. (Fall)

EDUC 437. Curriculum and General Methods, Grades 7-12

2 hours

Prerequisite: Admission to Teacher Education.

This course will include the secondary curriculum content—factors that influence change, the most important current practices, and critical curriculum issues facing educators today. It will provide general knowledge of current teaching methods, strategies of learning, and evaluation procedures. (Fall, Spring)

EDUC 438. Special Methods of Teaching, Grades 7-12

2 hours

Prerequisite: Admission to Teacher Education. Course EDUC 437 and EDUC 438 comprise a block and should be taken the same semester.

Student must have completed fifteen semester hours in the teaching area to qualify for admission.

The areas which offer methods courses are: Art, Bible, Business (Office Administration), English, Foreign Language, Health and Physical Education, History, Home Economics, Mathematics, Music, Science (Biology, Chemistry, and Physics).

The course will be offered the first half of that semester designated by the student's major department. The class will meet four class periods per week. Directed observation in selected schools and attendance at local professional meetings are considered part of this course.

Among the student's responsibilities will be the collection and organization of a file of teaching materials, the preparation of lesson plans, and evaluation of textbooks. Directed observation in selected schools and attendance at selected local professional meetings are considered a part of the course. (Fall, Spring)

EDUC 443. Classroom Competencies

3 hours

Prerequisite: Admission to Teacher Education and completion of at least two upper division methods courses.

This course provides opportunity for the student to develop skills and knowledge related to concepts of classroom organization and management, audio-visual aids and techniques, discipline, public relations and ethics. Although all school settings will be considered, emphasis will be given to small schools. Classroom experience may be required. (Fall, Spring, Summer on demand)

EDUC 453. Mathematics Methods in the Elementary School

2 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

Includes curriculum organization, materials, methods, and instructional aids with emphasis on multi-grade classrooms. Attention is given to the sequential skill development and to changes in the mathematical contents, technology and pedagogy. Observation and micro-teaching required. (Spring, Summer on demand)

EDUC 454. Science and Health Methods in the Elementary School

2 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

Includes curriculum organization, methods, materials and equipment with emphasis on multi-grade classrooms. Techniques and materials are examined using basic principles of the scientific method. Observation and micro-teaching required. Two-day field trip is required. A lab fee is charged. (Fall, Summer on demand)

EDUC 455. Bible Methods in the Elementary School

2 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

A course to develop teaching objectives, materials, and strategies in Biblical education with emphasis on the Christ-centered curriculum and integration of faith and learning. Special attention will be given to multi-grade classrooms. Observation and micro-teaching required. (Fall, Summer on demand)

EDUC 456. Language Arts Methods in the Elementary School

2 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

Curriculum organization, methods, materials and instructional aids with emphasis on multi-grade classrooms. Strategies for instruction in writing, spelling, grammar, literature and composition are developed. Observation and micro-teaching required. (Spring, Summer on demand)

EDUC 457. Social Studies Methods in the Elementary School

2 hours

Prerequisites: EDUC 125, 134, 217, 240 and admission to Teacher Education.

A course to develop teaching objectives, instructional strategies, materials and methods when integrating social studies, geography and the world-

wide mission of the church. Special attention will be given to multi-grade classrooms. Observation and micro-teaching required. (Fall, Summer on demand)

EDUC 466. Student Teaching, Kindergarten 4 hours

Prerequisites: EDUC 426 and Admission to Professional Semester.

This course is offered the first half of each semester and is available during the summer term to teachers with previous experience if suitable classes can be found. (Fall, Spring, Summer)

EDUC 467. Student Teaching, 1-8 8 hours

Prerequisite: Admission to Professional Semester.

This course is offered each semester and is available during the summer term to teachers with previous experience. The student will be assigned a half-day each week of classroom observation and participation the first half of the semester. A weekly seminar is held in the first nine weeks of the semester.

The second half of the semester will be used for full-time student teaching in on-campus or selected off-campus elementary schools. Group conferences of two periods each week will be scheduled. A minimum of two hours credit must be earned in residence.

Student teachers are expected to provide their own transportation to their teaching centers and to follow the school calendars where they are assigned. (Fall, Spring)

EDUC 468. Student Teaching, Grades 7-12 6 hours

Prerequisite: EDUC 217, 437, 438, and admission to professional semester. Music majors must have completed MUPF 479.

This course is offered each semester and the summer session in selected areas. The student teachers will be assigned to the cooperating teacher near the beginning of the semester and will be expected to spend a minimum of three hours per week in observation and participation. These hours will count toward the required student teaching allotment. One-half semester of full time directed observation, participation and full-day classroom teaching is required in on-campus or selected off-campus secondary schools. Conferences of two class periods each week will be scheduled.

A minimum of two hours credit must be earned in residence by degree candidates. Student teachers are expected to provide their own transportation to their teaching centers and to follow the school calendars where they are assigned. (Fall, Spring)

EDUC 475. Workshop in Education (Methodology) 1-3 hours

Experienced teachers are given opportunity to work under supervision on curriculum problems. Credit is also available for preservice students as an elective. (Summer)

EDUC 485. Workshop in Education (Content) 1-3 hours

Experienced teachers are given opportunity to develop new skills and gather new facts in content fields at various levels. Credit is also available for preservice students as an elective. (Summer)

Education / Psychology

94

EDUC 295/495. Directed Study

1-2 hours

Prerequisite: Admission to Teacher Education.

This course permits the advanced student with adequate preparation to pursue independent study in special fields. (Fall, Spring, Summer)

(F-1), (W) See pages 14-16 for explanation of General Education requirements.

COURSES IN PSYCHOLOGY

PSYC 124. Introduction to Psychology (F-1)

3 hours

A beginning course in the basic principles and concepts of psychology. Special attention given to the structure and function of the brain and nervous system. Recommended as a preliminary to other courses in the field. (Fall, Spring)

PSYC 128. Developmental Psychology (F-1)

3 hours

A study of life from prenatal through the adult years. Emphasis is placed on the emotional, social, physical, motor, and psychological development of the individual. (Fall, Spring)

PSYC 217. Educational Psychology (F-1)

3 hours

A study of the processes of human growth, development, and learning, joined to the practical application of this knowledge to teaching. (Credit not permitted if EDUC 217 has been taken.)

PSYC 224. Social Psychology (F-1)

3 hours

A study of human behavior as affected by group living. Dynamics of groups, social roles, communication, and mass behavior are focuses of consideration. Credit applicable for either psychology or sociology emphasis, but not for both. (Spring)

PSYC 233. Human Sexuality (F-1 or 2)

3 hours

A study of human sexual behavior, relationships, and values as reflected in the Christian cultural setting.

PSYC 315. Abnormal Psychology (F-1)

3 hours

Prerequisite: PSYC 124 or 128.

A study of the etiology of pathological behavior and the factors of good adjustment and mental health. (Spring)

PSYC 349. Aging and Society (F-1)

3 hours

(See SOCI 349. Aging and Society (F-1))

PSYC 355. Organizational Behavior

3 hours

(See BUAD 355 under Business Administration Department listing.)

PSYC 356. Tests and Measurements

3 hours

An evaluation of classroom learning and teacher-made tests as well as an overview of selected ability, achievement, interest, and personality tests. Principles of effective test construction and selection are studied, particu-

larly as they apply to sampling, validity, reliability, and norming. (Credit not permitted if EDUC 356 has been taken.)

PSYC 377. Fundamentals of Counseling (F-1) (W) 3 hours

Recommended: One course in Psychology.

This is an introduction to the major theories and practices of individual counseling. The dynamics of the helping relationship are analyzed. (Fall)

PSYC 384. Experimental Psychology (W) 3 hours

Prerequisite: MATH 215.

The application of relational and experimental research designs to psychology. A semester research proposal and completed project is expected of each student. (Fall)

PSYC 415. History and Systems of Psychology (F-1), (W) 3 hours

Prerequisite: PSYC 124.

Philosophical and historical backgrounds of psychology leading to a consideration of contemporary schools and systems of psychology. (Spring)

PSYC 465. Topics in Psychology (F-1) 3 hours

Selected topics in psychology as chosen from such areas as: group dynamics, psychological assessment, individual differences, psychology of women, sensation and perception, etc. This course may be repeated for credit with an appropriate change in topics. (Spring, alternate years)

PSYC 495. Directed Study (F-1), (W) 1 hour

Prerequisite: PSYC 384.

Completion of an experimental project under the direction of a psychology instructor. Students are responsible for developing appropriate research options. (Fall, Spring)

ENGINEERING STUDIES

John Durichek, M.A.
Lawrence Hanson, Ph.D., Chairman
Henry Kuhlman, Ph.D.

Southern College offers the first two years of a baccalaureate degree in engineering. Upon completing the two-year engineering studies program at SC, students transfer to Walla Walla College in Walla Walla, Washington, for the final two years. Southern College awards an Associate of Science degree in Engineering Studies and Walla Walla a Bachelor of Science degree in Engineering with concentrations in civil, electrical, and mechanical engineering.

The WWC School of Engineering, with which Southern College is affiliated, offers a high quality program that is fully accredited by the Accreditation Board for Engineering and Technology—the only nationally recognized organization which accredits engineering programs. It has an enrollment of approximately 400 students many of whom are transfer students from affiliated Seventh-day Adventist colleges.

The Southern College affiliation with Walla Walla College makes the transition to the final two years of the baccalaureate engineering program essentially the same as if the first two years were taken at Walla Walla College. Even though transfer to Walla Walla College is simpler than to a non-affiliated school, the Southern College engineering studies program is compatible with baccalaureate engineering programs of many colleges and universities.

ASSOCIATE OF SCIENCE DEGREE IN ENGINEERING STUDIES

Major: Thirty-six hours consisting of ENGR 149, 150, 211, 212, 214; CPTR 218; MATH 115, 217, 218; PHYS 211, 212, 213, 214, 311, 312. Required cognates: CHEM 151, 152; ENGL 102.

The total number of hours for the associate of science degree in engineering studies is seventy. General education courses must meet general education requirements for the associate of science degree at Southern College as well as general education requirements for the bachelor of science degree in engineering at Walla Walla College. The suggested sequence of courses presented below does this. Students who plan to continue their engineering studies at a school other than Walla Walla College should take that school's catalog to the engineering adviser for guidance in selecting general education courses.

A year-by-year outline for this major is listed on page 265.

ENGINEERING COURSES

ENGR 149. Engineering Graphics 2 hours

A basic course in drafting including proper use of instruments, orthographic projection, surface development, sectioning, pictorial representation, dimensional drawings. Five clock hours of laboratory per week. Lectures as announced by instructor. Instruments cost approximately \$40. (Fall)

ENGR 150. Computer Graphics 2 hours

Prerequisite: ENGR 149.

An introduction to computer-aided design and drafting. The drawing programs used in this course are Auto Cad and Cad Key. Five clock hours of laboratory per week. Lectures as announced by instructor. (Spring)

ENGR 211. Engineering Mechanics: Statics 3 hours

Pre- or corequisites: MATH 217, PHYS 211, 213.

Two- and three-dimensional equilibria employing vector algebra; friction; centroids and center of mass, virtual work, and moments of inertia.

ENGR 212. Engineering Mechanics: Dynamics 3 hours

Pre- or corequisites: MATH 218, PHYS 212, 214, 311, 312.

One- and two-dimensional kinetics and kinematics of rigid bodies by vector calculus; dynamics of rotation, translation and plane motion; relative motion; work and energy; impulse and momentum.

ENGR 214. Circuit Analysis 3 hours

Pre- or corequisites: MATH 218, PHYS 212, 214, 311, 312.

Circuit variables and parameters; Kirchoff's laws and circuit solution; sinusoidal steady-state; phasors and impedance; frequency characteristics; Thevenin's theorem and maximum power theorem; transients and complete response. Laboratory covers basic electrical measurements using DC and AC meters, potentiometers, recorders, and bridges.

ENGLISH

Ann Clark, Ph.D.
Jan Haluska, M.A.
John Keyes, Ed.S.
Wilma McClarty, Ed.D.
David Smith, M.A., Chairman

The English Department offers two categories of classes that view man's search for truth and its most convincing expression through a Christian perspective. *Language* courses aid students in developing ease, confidence, and competence in the art of effective communication and in acquiring knowledge of the science of language; *literature* courses develop the ability to discern and appreciate the best literary works.

Students majoring in English must meet the specific requirements of the English Department (below) and the General Education program (pages 13-17). For English, intermediate foreign language is required.

BACHELOR OF ARTS IN ENGLISH LANGUAGE AND LITERATURE

Major: Thirty-one hours excluding Basic Writing and College Composition, but including ENGL 215, 216, 218, 314, 315 and 335; plus six hours from ENGL 214, 333, or 334; plus nine hours from ENGL 336, 337, 338, 444, or 445. Required cognates: HIST 374, HMNT 205, intermediate foreign language.

Minor: Nineteen hours, excluding Basic Writing and College Composition, including ENGL 218, 315; ENGL 214 or 333 or 334; ENGL 215, 314; six hours of English electives to include one additional literature class.

Teaching Endorsement: The following are the minimum requirements.

ENGL 218	Principles of Grammar	2 hours
ENGL 315	Introduction to Linguistics	2 hours
Two of the following three:		6 hours
ENGL 214	Survey of American Literature (3)	
ENGL 333	American Literature: Colonial through Romantic Periods (3)	
ENGL 334	American Literature: Realism to the Present (3)	
ENGL 215	Survey of English Literature	3 hours
ENGL 314	Creative Writing	3 hours
One of the following three:		3 hours
ENGL 336	Medieval and Renaissance Literature (3)	
ENGL 337	Nineteenth Century British Literature (3)	
ENGL 444	Restoration and Eighteenth Century Literature (3)	

ENGL 445	World Literature	3 hours
LIBR 425	Library Materials for Young Adults and Adults	2 hours
One of the following two:		2 hours
EDUC 332	Teaching of Reading (2)	
EDUC 333	Developmental Reading (2)	
EDUC 432	Reading in the Secondary School (2)	2 hours
		—
TOTAL		28 hours

Students anticipating secondary teaching should meet state certification requirements (see Secondary Education requirements under DEPARTMENT OF EDUCATION), should consider taking a minor in Fields Related to English Education, and should obtain experience working on the Southern Accent staff, Southern Memories staff, and/or a programs committee of one of the student organizations.

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

A year-by-year outline for this major is listed on page 266.

ENGLISH LANGUAGE AND COMPOSITION

ENGL 099. Basic Writing 3 hours

Prerequisite: Students whose first language is not English must have a score of 90 or above on the Michigan English Language Institute Test.

Focuses on development of those writing skills necessary for successful entry into ENGL 101. Students whose English ACT score is 12 or below are required to register for this class. Students successfully completing this course will earn three institutional elective credits and may enroll in ENGL 101. This course does not count toward an English major or minor. (Fall)

ENGL 101-102. College Composition (A-1) 3,3 hours

ENGL 101 is prerequisite to ENGL 102.

A two-semester course focusing strongly on the writing process, especially revision. ENGL 101 emphasizes specific writing skills and principles which readily apply to most writing tasks. ENGL 102 reinforces the proficiencies developed in ENGL 101 while focusing on rhetorical and reasoning skills which apply to various persuasive and research writing activities. This course does not count toward an English major or minor. (Fall, Spring, Summer)

ENGL 218. Principles of Grammar 2 hours

Prerequisite: ENGL 101.

A detailed survey of descriptive grammar as it pertains to parts of speech, sentence structure, punctuation, and usage. Designed to aid any student

who wishes to strengthen his skills in grammar analysis, it is also especially helpful for prospective teachers and writers. (Fall)

ENGL 295. Directed Study **1-3 hours**

The content of this course will be adjusted to meet the particular needs of the student, including requests for credit for such activities as projects done during student missionary terms. This course also includes credit offered by the English Department on directed study tours. Open only to students approved by the department chairman in consultation with the prospective instructor.

ENGL 314. Creative Writing (G-1), (W) **3 hours**

Prerequisite: Three hours of literature or permission of instructor.

A study of the principles, techniques, and types of personalized writing, providing the student with opportunity to develop his own style and to find possible markets for his manuscripts that may be worthy of publication. (Spring)

ENGL 315. Introduction to Linguistics **2 hours**

Prerequisite: ENGL 218.

Provides a background in the history of the English language, etymology and the processes of word formation, dialectology and syntax analyses, and relates these learnings to the teaching of contemporary English. (Spring)

LITERATURE

ENGL 214. Survey of American Literature (D-2) **3 hours**

Prerequisite: ENGL 102.

A study of representative selections from major American authors, colonial through modern, with emphasis on ideas, attitudes, and trends having individual, national, and universal interest. Major writers will include, among others, Cooper, Hawthorne, Twain, Frost, and Hemingway. (Fall, Spring)

ENGL 215. Survey of English Literature (D-2) **3 hours**

Prerequisite: ENGL 102.

A study of representative selections by British writers, with special emphasis on the author's philosophy as compared or contrasted with Bible-based thinking, and a review of literary trends and influences from the late Roman period to the present. Among writers receiving strong attention are Chaucer, Shakespeare, Donne, Milton, Wordsworth. (Fall, Spring)

ENGL 216. Approaches to Literature (D-2) **3 hours**

Prerequisite: ENGL 102.

The study and appreciation of selected works, with special emphasis on literary terms and on the critical qualities that distinguish such basic literary types as the short story, the drama, the novel, and the poem. (Fall)

ENGL 333. American Literature From Colonial Through Romantic Periods (D-2), (W) **3 hours**

A reasonably comprehensive, chronological study of the works of major American writers with special emphasis on Bradford, Taylor, Franklin,

Edwards, Irving, Cooper, Poe, Emerson, Thoreau, Hawthorne, Melville, Longfellow, and Whitman. (Spring, even years)

ENGL 334. American Literature From Realism to the Present (D-2), (W) 3 hours

A continuation of ENGL 333, from the mid-nineteenth century through some of the more recent writers, including Dickinson, Twain, James, Crane, Robinson, Frost, Fitzgerald, Hemingway, Faulkner, Williams, Warren, and Bellow. (Spring, odd years)

ENGL 335. Biblical Literature (D-2), (W) 3 hours

A survey of the Bible's literary masterpieces from an archetypal perspective. The Bible is viewed as one story, the double quest: man, searching for a lost Eden, and Christ, the great Questor, seeking the restoration of His world and His family. This story, reinforced by its central theme of redemption and by the universal archetypal symbols centering in Christ the Word made flesh, actually permeates all imaginative literature. Biblical genres studied include the story of origins, heroic narrative, epic, idyl, lyric poetry, wisdom literature, gospel, epistle, and apocalypse. (Fall)

ENGL 336. Medieval and Renaissance Literature (D-2), (W) 3 hours

From Chaucer through Shakespeare, the men and their times. Readings in *Canterbury Tales*, Middle English romance, allegory, play, and meditation in translation; in sixteenth century prose, Elizabethan poetry and dramatic literature, with study of genre, conventions, and trends. Specific attention to moral and religious issues. (Spring, even years)

ENGL 337. Nineteenth Century British Literature (D-2), (W) 3 hours

A study of British writers from the Romantic or Victorian periods (1785-1901), with special emphasis upon Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Austen, Tennyson, Dickens, Arnold, Browning, Carlyle, and Wilde. This course may be taught only alternate years. (Fall)

ENGL 338. Twentieth Century Writers (D-2), (W) 3 hours

A study of twentieth century writers with an emphasis on American and/or British works, although world literature in translation may be included. This course may be taught only alternate years. (Spring)

ENGL 444. Restoration and Eighteenth Century Literature (D-2), (W) 3 hours

English life and letters in ferment through the Enlightenment and the decline of Neo-classicism: Milton, Dryden, Swift, Pope, Johnson. Special attention to moral and religious issues and trends. This course may be taught only alternate years. (Fall)

ENGL 445. World Literature (D-2), (W) 3 hours

Beginning with the three great epics which underlie the literature of the Western World—the *Iliad*, *The Odyssey*, and *The Book of Job*—the class will consider a range of classical and medieval works from the Greeks to the Italian Renaissance. Collateral emphasis will be on enhancing the student's ability to differentiate the pagan from the Christian in the thematic mix of

individual works. Students desiring a complete sequence in world literature may follow this course with MDLG 304. (Fall)

ENGL 495. Directed Study **1-3 hours**
The content of this course will be adjusted to meet the particular needs of the student. This course also includes credit offered by the English Department on directed study tours. Open only to English majors or minors with the approval of the department chairman in consultation with the prospective instructor.

EDUCATION

EDUC 438. Methods of Teaching English **2 hours**
Prerequisite: Admission to Teacher Education.
Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances; the survey and evaluation of textbooks is also included. Four lectures each week of the first half of the semester. (Spring)

(A-1), (D-2), (G-1), (W) See pages 14-16 for explanation of General Education requirements.

Health, Physical Education and Recreation

HEALTH, PHYSICAL EDUCATION, AND RECREATION

103

Ted Evans, M.Ed.
Philip Garver, M.S., Acting Chairman
Steve Jaecks, M.S.

The courses in Health, Physical Education, and Recreation propose to acquaint students with principles of healthful living, to help each student develop physical efficiency through participation in supervised activity, to develop wholesome recreational habits by helping the student acquire interest, knowledge, and skills in several recreational activities, and to contribute to preparation for a career in health, physical education, and recreation.

BACHELOR OF SCIENCE DEGREE IN HEALTH, PHYSICAL EDUCATION, AND RECREATION

Major: Forty hours including HLED 173, 314, 315, 373, 473; PETH 121, 122, 221, 222, 265, 266, 363, 364, 374, 463, (295, 495); PEAC 254, 255; FDNT 125. Required cognates: BIOL 101, 102.

Competency required in PEAC 143, Beginning Tumbling.

Skill deficiencies in each PETH 121, 122, 221, or 222 activity unit will be indicated by grade of C- or less. Deficiencies for these units must be met by taking for no credit the corresponding general education activity course.

Intramural participation is recommended of all majors and minors.

Majors training for teaching positions must meet the NCATE certification requirements set forth by the Division of Education and Human Sciences.

Minor: Eighteen hours including PETH 121, 122, 221, 222, 265, 266, 364.

The student must apply to the Department of Education for admission to the Teacher Education Program and the professional semester before the end of the sophomore and junior years, respectively.

BACHELOR OF SCIENCE DEGREE IN HEALTH SCIENCE

Major: Forty hours including HLED 173, 314, 315, 373, 473; PETH 374, 495; PEAC 125; CHEM 151-152; MATH 215; BIOL 101, 102, 125; FDNT 125.

Year-by-year outlines for each major offered are listed on page 267.

Health, Physical Education and Recreation

104

GENERAL EDUCATION ACTIVITY COURSES

PEAC courses are graded on a pass/fail basis.

- PEAC 123. Volleyball (G-3)** 1 hour
Development of skills necessary for enjoyable and successful play. (Spring, Fall)
- PEAC 124. Basketball (G-3)** 1 hour
Team activity skills developed that may be used in the individual's leisure time. (Fall)
- PEAC 125. Conditioning (G-3)** 1 hour
The learning of basic training and aerobic principles followed by a personal long-range conditioning program. May be repeated for credit.
- PEAC 126. Softball (G-3)** 1 hour
Development of skills necessary for enjoyable and successful play. (Fall)
- PEAC 131. Badminton (G-3)** 1 hour
Strokes, rules, and playing situations included with physical conditioning for badminton. (Spring)
- PEAC 133. Racquetball (G-3)** 1 hour
Activities with emphasis on recreational carry-over values. (Fall, Spring)
- PEAC 134. Basic Tennis (G-3)** 1 hour
Basic tennis skills including the strokes, rallying, and volleying. (Fall)
- PEAC 136. Basic Golf (G-3)** 1 hour
A basic course for the beginning golfer; includes use of all clubs and course play. (Fall)
- PEAC 137. Cycling (G-3)** 1 hour
Emphasizing various types of cycling, repairs, and safety factors. Students are to provide their own bicycles. (Spring)
- PEAC 138. Intermediate Golf (G-3)** 1 hour
Play on a variety of courses for the bogie golfer. (Spring)
- PEAC 139. Intermediate Tennis (G-3)** 1 hour
For the advanced player with emphasis on playing strategy, doubles, and mixed doubles. (Fall)
- PEAC 143. Basic Tumbling (G-3)** 1 hour
Mat tumbling leading to gymnastic free-exercise routines. (Fall, Spring)
- PEAC 144. Basic Apparatus (G-3)** 1 hour
Basic skills emphasized on trampoline, P-bars, rings, unevens, and balance beam. (Fall, Spring)

Health, Physical Education and Recreation

105

PEAC 151. Scuba Diving (G-3) 1 hour
Leads to basic certification by N.A.S.D.S. or N.A.U.I. Lab fees in addition to tuition. Lab fee required. (Fall, Spring)

PEAC 153. Basic Swimming (G-3) 1 hour
Both beginning and intermediate swimming, and aquatic safety skills will be included. (Fall, Spring, Summer)

PEAC 243. Tumbling Team (G-3) 1,1 hour
Admission will be based on satisfactory performance of try-out requirements for team membership. (Fall, Spring)

PEAC 253. Intermediate Swimming (G-3) 1 hour
Review of swimming strokes, diving, and conditioning. (Fall, Spring)

PEAC 254. Lifesaving (G-3) 1 hour
Prerequisite: PEAC 253 or equivalent.
Leads to Red Cross Advanced Life Saving certification. (Spring)

PEAC 255. Water Safety Instructor (G-3) 1 hour
Prerequisite: PEAC 254 or equivalent.
Leads to Red Cross Water Safety Instructor certification. (Spring)

PEAC 259. Special Activities (G-3) 1 hour
Courses with various structured content may be offered under this topic heading. Included are courses in water skiing, sailing, small craft, snow skiing, rock climbing, spelunking, aerobics, and sailplaning. This course may be repeated with the varying subject matter. Lab fees in addition to tuition are usually charged, by approximately \$50-\$75.

HEALTH EDUCATION

HLED 173. Health and Life (F-3) 2 hours
A study of current subjects vital to healthful living. Integrating healthful living and Christianity with today's scientific research. Not open to nursing students. (Fall, Spring, Summer)

HLED 203. Safety Education (F-3) 2 hours
The nature and causes of accidents, safety measures for the prevention of common accidents of the home, school, industry, transportation, and recreation. The standard and advanced Red Cross Certificates will be issued to those completing the required work in first aid. (Fall)

HLED 314. Kinesiology 3 hours
Prerequisite: BIOL 105, 106 or equivalent.
A study of the anatomical and mechanical variables influencing movement, including adaptive activities for the handicapped person. (Fall)

Health, Physical Education and Recreation

106

HLED 315. Physiology of Exercise (W,) 3 hours

Prerequisite: BIOL 101, 102 or equivalent.

Emphasizing the physiological effects of muscular exercise, massed gymnastics, and physical conditioning. Significance of these effects for health and for skilled performance. (Spring)

HLED 373. Care and Prevention of Athletic Injuries 2 hours

Prerequisite: HLED 314.

The study of treatment and prevention of athletic injuries. (Spring, even years)

HLED 470. Current Issues in Health 2 hours

This course emphasizes lifting the Great Healer through health ministry. Principles found in the Bible and Spirit of Prophecy are used as the basis for optimum health habits. Learning of health for an evangelistic tool and for optimal personal health are the two-fold objectives for the course. (Spring)

HLED 473. Health Education 2 hours

Prerequisite: HLED 173 or HLED 470.

A study of the theoretical and scientific basis of health education with emphasis on the development and organization of the school health instruction program. (Spring, odd years)

PHYSICAL EDUCATION THEORY

PETH 121, 122. Professional Skills, Team Activities 2,2 hours

Development of professional skills including performance and teaching techniques for softball, football, volleyball, basketball, hockey, and soccer. For majors and minors only. (Fall, odd years; Spring, even years)

PETH 221, 222. Professional Skills, Individual Activities 2,2 hours

Development of professional skills including performance and teaching techniques for golf, tennis, badminton, gymnastics, conditioning, recreational activities, track and field. Taught in alternate years for HPER majors and minors only. (Fall, Spring)

PETH 261. Introduction to Recreation (G-3) 2 hours

A course designed to promote outdoor recreation and provide experience for those interested in preparing for different phases of camp life, outdoor living and activities. (Spring, Summer)

PETH 265, 266. Officiating Sports Analysis 2,2 hours

An introduction to administration of and participation in the organization of officiating in team and individual recreational activities. (Fall, Spring)

PETH 363. An Introduction to Measurements and Research of Physical Education 3 hours

A survey of tests used in Physical Education and an introduction to statistical procedures for analyzing data and how it may be applied to research. (Spring)

Health, Physical Education and Recreation

107

PETH 364. Principles and Administration of Physical Education and Recreation

3 hours

An integrated study of the principles and administrative concepts of Physical Education and Recreation. (Fall)

PETH 374. Motor Learning and Development

2 hours

The course based on physical anthropometrics and the neurological development of the child, adolescent related to his motor behavior. Taught in alternate years. (Spring)

PETH 463. Physical Education in the Elementary School

2 hours

This course is designed primarily for elementary teachers, physical education majors and minors. Objectives for this course include: a comprehensive review of motor learning and development stages, methods and materials, graded activities in games and rhythmic activities, self-testing and safety measures. Observation and teaching of elementary school children will be scheduled. (Spring, alternate Summers)

PETH 490. Senior Seminar (W)

2 hours

An exploration of philosophical and historical contributions to the field. Discussion of current topics, issues and research pertinent to the field and the interests of the students. Research and/or writing required as a portion of the class. (Fall)

PETH 295, 495. Directed Studies (W)

1-3 hours

An introduction to research and discussion on problem areas in the discipline. Limited to Physical Education majors. Writing emphasis credit for PETH 495 only. (Fall, Spring, Summer)

EDUCATION

EDUC 438. Methods of Teaching Health and Physical Education

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. The first half of the first semester during the senior year. (Fall)

(F-3), (G-3), (W) See pages 14-16 for explanation of General Education requirements.

HISTORY

Floyd Greenleaf, Ph.D.

Benjamin McArthur, Ph.D.

William Wohlers, Ph.D., *Chairman*

History is the study of the human experience. It investigates mankind's ideas, institutions, and activities. In pursuing this investigation, history courses at Southern College emphasize the Christian view of humanity. This perspective recognizes both the potential and the limitation of human endeavor and thereby permits a broader comprehension of the past and a greater hope for the future.

Approval of study programs for history majors. Departmental approval is necessary for all programs. A student majoring in history must plan his entire study program with a member of the history faculty. Approval is then considered on an individual basis and is granted on the following conditions:

1. Compliance with graduation requirements as explained elsewhere in the CATALOG.
2. Fulfillment of the professional and individual needs of the student.
3. Embodiment of academic balance and continuity.

BACHELOR OF ARTS DEGREE IN HISTORY

Major: Thirty hours including HIST 154, 155; 174, 175; 499. Six hours of political science may apply to the major. The intermediate level of a foreign language is required. At least two courses are to be taken in each of the following areas:

Area I: American History, HIST 354, 355, 356, 357, 359; PLSC 254.

Area II: European History, HIST 374, 375, 386, 389; PLSC 389; either HIST 364 or 365.

History as a preprofessional degree: A student majoring in history who plans to enter a professional school in an area such as medicine or law must present a balanced program of general education classes and electives that will support the professional objectives.

History as a preparation for teaching: A student majoring in history who plans to teach will automatically have the 24 semester hours required for certification in the area of the first teaching field. It is strongly recommended that the student also earn teaching credentials in a field outside of history. No specific supporting field is required but art, behavioral science, business, English, modern languages, and religion are recognized as intimately related to the study of history. A student may receive certification to teach history as a second area by completing a minor in history. See under Minor below. Since the entire second semester of the senior year is devoted to certification requirements,

students earning teacher certification must finish all history classwork before reaching the final semester. Students applying for teacher certification must consult with the Education Department to draft a schedule of classes meeting certification requirements.

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

Minor: Eighteen hours including HIST 174, 175. The additional twelve hours will be chosen from remaining history courses, six hours of which must be upper division. A minimum of three hours must be chosen from each of the American and European areas. Three hours of political science may be taken in lieu of three hours of history. A student planning to minor in history in order to obtain a second teaching area for certification must take all eighteen hours in history and must include HIST 154, 155.

History Department tours: The Department of History regularly sponsors study tours to foreign countries and in the United States. The purpose of these tours is to provide students and other participants with an enhanced understanding of history and culture through a combination of traditional lecture and reading with direct observation of historical sites. Academic activities connected with the tours require students to spend an amount of time equal to that expected in a regular classroom setting. Preparatory meetings and assigned reading are included in this computation. Course credit is offered under HIST 295:495 Directed Study in History. Cost of the tours includes charge for academic credit.

History as general education: Freshman and sophomore students earning general education credit in history should take courses from the 100 and 200 level. Junior and senior students meeting general education requirements in history should select courses from the 300 and 400 level.

A year-by-year outline for this major is listed on page 268.

HISTORY

HIST 154, 155. American History and Institutions (C-1) 3,3 hours

An introductory survey of the nation from colonial times to the present. The development of its politics, government and social institutions is covered in each semester of the sequence. This course is recommended as general education for freshmen and sophomores. (Fall, Spring, Summer)

HIST 174, 175. Survey of Civilization (C-1) 3,3 hours

An introductory consideration of the ancient, classical, and medieval contributions to our own civilization and a consideration of modern and current

developments. This course is recommended as general education for freshmen and sophomores. (Fall, Spring)

HIST 354. Latin America (C-1), (W) 3 hours

A survey of Latin America offering brief backgrounds from the colonial, independence, and early national periods, but focusing on twentieth-century trends in selected republics.

HIST 355. History of the South (C-1), (W) 3 hours

A study of the Old South from the discovery through the war between the states, the reconstruction and the subsequent developments, and recent changes, including the current scene.

HIST 356. Natives and Strangers (C-1), (W) 3 hours

A study of immigration and the role of ethnic groups in American society. Special emphasis on the tension between assimilation and pluralism in the national character.

HIST 357. Modern America (C-1), (W) 3 hours

A study of American History from 1900 on with special examination of the progressive era, normalcy, the depression, the New Deal, and the role of the United States in world affairs. (Fall)

HIST 359. Transformation of American Culture (C-1) (W) 3 hours

A topical approach to nineteenth and twentieth century American history, focusing on the modernization of life. Among the topics that may be covered are entertainment, the media, urban culture, social relations, transportation, and art and architecture.

HIST 364. Christian Church I: From the Early Church Through the Middle Ages (C-1), (W) 3 hours

A study of the history of western Christianity from the end of the apostolic period to the end of the Middle Ages, emphasizing both institutional and theological development. (Fall)

HIST 365. Christian Church II: From the Reformation Through the Twentieth Century (C-1), (W) 3 hours

A study of the reorientation of western Christianity, beginning with the Protestant Reformation and culminating with contemporary religious trends. (Spring)

HIST 374. History of England (C-1), (W) 3 hours

A survey of the history of Great Britain from Roman times to the twentieth century, emphasizing political, cultural, and economic developments which have influenced western civilization as a whole.

HIST 375. Ancient World (C-1), (W) 3 hours

A study of the three stages of ancient civilization, the Ancient Near East, Greece, and Rome, and the contribution each has made to the development of western culture.

HIST 386. Rise of the West (C-1), (W) 3 hours

A study of European history from the fall of Rome to the beginning of the modern age, focusing on those developments which have influenced the institutions and values of modern western civilization. The chronological emphasis is on the eleventh through the sixteenth centuries.

HIST 389. Vienna to Vietnam (C-1), (W) 3 hours

A study of major historical developments affecting international relations since the Napoleonic Era. The class treats antithetical forces such as peace and war, power and weakness, sovereignty and dependence, as well as others, in their historical setting. Students may earn either history or political science credit, depending on individual assignments.

HIST 295/495. Directed Study (C-1), (W) 1-3 hours

A course emphasizing individual directed study. The instructor to whom a student is assigned will determine whether credit is upper or lower division. This course also includes credit offered by the History Department on directed study tours. Writing emphasis credit for HIST 495 only. Approval of the department is required prior to registration.

HIST 499. Research Methods in History (C-1), (W) 3 hours

Historical theories, procedures, and research methods are examined in conjunction with the preparation of a research project. (Fall)

POLITICAL SCIENCE**PLSC 254. American National and State Government (C-2) 3 hours**

An examination of the operation of the executive, legislative, and judicial branches of government of the national, state, and local levels.

PLSC 389. Vienna to Vietnam (C-2), (W) 3 hours

See HIST 389 for course description.

GEOGRAPHY**GEOG 204. World Geography 3 hours**

(C-2 credit for elementary education majors only).

Maps, land forms, soil, mineral resources, weather, and climate are considered. Man's adjustment to various physiographic regions is studied. (Fall)

GEOG 306. Cultural Geography (C-2) 3 hours

A course for student missionaries assigned to a country other than the United States. Focuses on geographic and social characteristics. Activities include assigned reading prior to departure, journal of on-site observations, formal paper after return to campus. Prior to departure, the student will make all arrangements with a teacher assigned by the Department of History. One-third tuition rate.

History

112

HUMANITIES

HMNT 205. Arts and Ideas (D-3)

3 hours

A cultural appreciation class tracing the historical evolution of intellectual movements in western civilization. Ideas from leaders in philosophy and the arts will be studied with appropriate works from music, art, and literature. Students may participate in activities involving specific art forms. Resource persons may assist as available. This course is also taught as part of the European study tour program during selected summer sessions.

HMNT 451, 452. Honors Seminar

1,1 hour

A study of great books in religion, philosophy, science and social science that have shaped western culture. Required of students in the Southern Scholars program during their junior or senior year.

EDUCATION

EDUC 438. Methods of Teaching History

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials in instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the semester. (Spring)

(C-1), (C-2), (W) See pages 14-16 for explanation of General Education requirements.

GEOGRAPHY

HIST 365. Christian Church II: From the Reformation

3 hours

Through the Twentieth Century (C-1), (W)

A study of the reorientation of western Christianity, beginning with the Protestant Reformation and culminating in the twentieth century. (Spring) (C-2 credit for elementary education majors only.)

Maple, land forms, soil, mineral resources, weather and climate are considered. Man's adjustment to various physical environments is emphasized. (Fall)

A survey of the history of Great Britain from Roman times to the present. (C-2) (C-1) (W)

A course for students interested in the history of the United States. Focuses on geographic and social characteristics. Activities include assigned reading prior to departure, and the student will

formal papers after return to campus. Prior to departure, the student will

make all arrangements with a teacher assigned by the Department of History. (One-third tuition rate)

HOME ECONOMICS

113

Roy Dingle, A.S.

Earl Evans, B.S.

Diane Fletcher, M.A., *Chairman*

Home Economics programs are designed to prepare men and women for careers dealing with home and family life, food and nutrition, clothing and textiles, and teaching of non-vocational Home Economics in secondary and elementary schools.

Flexibility of programs allows a choice of concentration to fit the preparation needed for the chosen Home Economics profession.

Emphasis is placed upon the Seventh-day Adventist philosophy for home and family living and preparation for professional, church, and community leadership.

All Home Economics programs are planned with a member of the Home Economics faculty. Approval is then considered on an individual basis and is granted on the following conditions:

1. Compliance with graduation requirements as explained elsewhere in the CATALOG.
2. Fulfillment of the professional and individual needs of the student.
3. Embodiment of academic balance and continuity.

BACHELOR OF SCIENCE DEGREE IN HOME ECONOMICS

Home Economics can complement other disciplines. The following academic combinations are possible: Home Economics and Business for a career as a home economist in business; Home Economics and Social Work for a career in gerontology; Home Economics and Education for a teaching career; Home Economics and Child Care for a career in day care supervision; Home Economics and the sciences for pre-professional preparation for medical school and paramedical careers. Employment opportunities abound for those who pursue advanced degrees in one of the areas of Home Economics.

Major: Forty-one hours including FDNT 125, 126, 127, 317, 325; HMEC 146, 147, 148; CLTX 164, 165, 166; HMEC 201, 202, 349, 415, 485; and six hours of upper division elective credit. Cognate requirements: PSYC 124; HLED 203.

Home Economics majors and candidates for secondary certification are encouraged to attend two approved professional meetings each semester.

Minor—Home Economics: Eighteen hours, six hours of which must be upper division.

Minor—Foods and Food Service: Eighteen hours, six hours of which must be upper division.

Home Economics

114

Teaching Endorsement Requirements:

Foods and Nutrition courses	8 hours
Clothing and Textiles courses including CLTX 315	8 hours
Home Management courses including HMEC 146	8 hours
Total	24 hours

Before the end of the sophomore year, the student must apply to the Department of Education and Psychology for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education and Psychology for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

BACHELOR OF SCIENCE DEGREE IN FOOD SERVICE ADMINISTRATION

The bachelor of science degree in food service administration provides the student with advanced skills in institutional food service, supervision and administration. A minor in Business Administration is required for this degree.

Major: Fifty-two hours including FDNT 111, 112, 113, 114, 125, 126, 127, 129, 219, 220, 239, 317, 325, 385; BUAD 355; FDNT 415; HMEC 495; FDNT 497. Cognate requirements: CPTR 120, BIOL 125, PSYC 124 or 128.

Minor—Business Administration: Eighteen hours including ACCT 121-122, ECON 213; BUAD 334, 344 and three additional hours in Accounting, Economics or Business Administration. Recommended: BUAD 353.

ASSOCIATE OF SCIENCE DEGREE IN PRE-DIETETICS

The associate of science degree in pre-dietetics prepares the student for admission to the Coordinated Undergraduate Program (CUP) in Dietetics at Loma Linda University or Andrews University. Admission to any professional school is dependent on meeting the GPA and prerequisite requirements of the individual school. Students desirous of admission to other Coordinated Undergraduate Programs (CUP) in dietetics should check the bulletin of that school to ascertain the requirements.

Major: Thirty-nine hours including MATH 104, FDNT 125, 126, 127, 317, ACCT 103, ECON 213, BIOL 101-102, 125, CHEM 111-112, 113-114, PSYC 124, SOCI 125.

Students applying to Andrews University should take another Psychology or Sociology course and CPTR 125.

Students applying to Loma Linda University should take another

Religion course, and six additional hours of Humanities — Language/Literature / Fine Arts—which must include Speech.

ASSOCIATE OF SCIENCE DEGREE IN HOME ECONOMICS

The purpose of the two-year curriculum is to prepare the student for a successful family experience as well as for service to his community. All specified courses will apply toward a Bachelor's degree in Home Economics.

Major: Twenty-four hours including courses FDNT 125, 126, 127, 317; HMEC 146, 147, 148, 201; CLTX 165, plus electives to make a total of 24 hours in Home Economics; HLED 203; general electives to make a total of 64 semester hours.

Home Economics majors and candidates for secondary certification are encouraged to attend two approved professional meetings each semester.

ASSOCIATE OF TECHNOLOGY DEGREE IN FOOD SERVICE

The two-year associate of technology program is designed to provide the student with advanced skills in institutional food service production operations including management of special functions. All specified courses will apply toward a bachelor's degree in Food Service Administration.

Major: Thirty-seven hours including FDNT 111, 112, 113, 114, 125, 126, 127, 129, 219, 220, 239, 317. Cognate requirements: HMEC 146 or BUAD 128; SPCH 136; PSYC 124 or 128. General education requirements include: ENGL 101, MATH 103, and six hours B-1 or B-2, and electives for a total of 64 semester hours. Work experience in the food service and/or bakery is required.

CERTIFICATE PROGRAM IN FOOD SERVICE PRODUCTION

The purpose of the one-year certificate program is to provide the student with the basic production skills necessary for institutional food service. All specified courses will apply toward an associate of technology degree in food service. Course requirements are FDNT 111, 112, 113, 114, 127, 129, HMEC 146 or BUAD 128; SPCH 136; MATH 099; B-1 or B-2 (three hours), and electives to complete a total of 32 semester hours. Work experience in the food service is required.

Year-by-year outlines for each major offered are listed on page 269.

Home Economics

116

FOODS AND NUTRITION

FDNT 111-112. Principles of Quantity Food Service I, II 2,2 hours

Classroom instruction in physical and chemical principles of institutional food preparation including the principles of sanitation and safety. (Fall, Spring)

FDNT 113-114. Quantity Food Service Production Laboratory 6,6 hours

Prerequisite or corequisite: FDNT 111-112.

Experience in food service production operations to illustrate and apply the principles presented in lectures of FDNT 111-112. Three five-hour laboratory periods each week. (Fall, Spring)

FDNT 125. Nutrition (F-3) 3 hours

An introduction to the basic principles of human nutrition. Includes study of the nutrients and the requirements for different age groups and normal physiological conditions. Attention will be given to religious and sociological influences, taking particular note of the counsel of E. G. White. (Fall)

FDNT 126. Foods (G-2) 2 hours

Basic principles of food science including food composition, food selection, and physical and chemical principles of food preparation. Two hours of lecture each week. Home economics majors must take concurrently with FDNT 127. (Fall)

FDNT 127. Food Preparation (G-2) 1 hour

Principles of quality food preparation. Efforts will be made to meet the specific needs and interests of the group. One three-hour discussion and laboratory per week. Home economics majors must take concurrently with FDNT 126. (Fall)

FDNT 129. Institutional Baking Techniques 3 hours

Lecture and experience in principles of commercial institutional bakery production and operation, including purchasing, equipment layout, maintenance, and sanitation. One hour of lecture and five hours of laboratory each week. (Fall)

FDNT 151. Creative Cuisines 1 hour

An introductory laboratory course in food preparation. Emphasis will be on practical cookery for today's lifestyle. The course will include microwave cooking; baking, including whole wheat and fancy breads; preparation of convenience and manufactured foods; and preparation of vegetarian entrees, utilizing unprocessed foods available in the supermarket. This course may, with department approval, be substituted for FDNT 127. (Spring, Summer)

FDNT 219-220. Advanced Food Service Production 3,3 hours

Prerequisites: FDNT 111-112, 113-114.

Lecture and experience in recipe development, menu planning, and management of banquets and special functions. One hour of lecture and five hours laboratory each week. (Fall, Spring)

FDNT 239. Advanced Institutional Baking Techniques 3 hours

Prerequisite: FDNT 129

Lecture and laboratory experience in advanced principles and techniques of commercial and institutional bakery production and operation. One hour lecture and five hours of laboratory each week. (Spring)

FDNT 317. Meal Management (G-2) 3 hours

Prerequisites: FDNT 125, 126, 127, or approval of instructor.

Experience in planning, costing, and serving meals to family-sized groups; problems in consumer economics and art of home food service. Two lectures and three hours of laboratory each week. (Spring)

FDNT 325. Demonstration Techniques 2 hours

Prerequisites: FDNT 125, 126, 127, or approval of instructor.

Purposes, standards, and techniques of giving demonstrations with application to education and business settings. There will be a fee for supplies. (Spring, even years)

FDNT 385. Foods and Nutrition Seminar (W) 1 hour

Studies in a variety of current topics relating to foods and nutrition. Topics, announced in advance, will be chosen to meet student need and interest. (Fall, odd years)

FDNT 415. Practicum in Special Functions 3 hours

Prerequisites: FDNT 219-220, 239, 317, 315, 328.

Hands-on experience in all phases of catering for banquets and a variety of special functions. 140 clock hours of laboratory experience required. (Fall)

FDNT 497. Internship in Food Service Administration 4 hours

Prerequisites: FDNT 219-220, 317, 325, 328, 415.

A tailored program in a selected food service facility, will include 400 clock hours of on-the-job experience in production, supervision, and administration. One-third regular tuition rate. (Summer)

HOME MANAGEMENT

HMEC 146. Consumer Education (F-2) 2 hours

A basic course in consumer education from the standpoint of purchasing and money management as related to the home and its personal needs. (Spring, odd years)

HMEC 147. Family Resource Management (F-2) 3 hours

A study of the achievement of family goals through management of personal and family resources including time, money, energy, and health. (Fall, even years)

HMEC 148. Orientation to Home Economics 1 hour

Orientation in the areas of Home Economics and a study of the field in terms of history, philosophy, and professional opportunities. (Fall, odd years)

Home Economics

118

HMEC 201. Parenting I (F-2) 2 hours

A basic course in preparation for parenthood and the dynamics of parent-infant interaction. Particular emphasis will be given to family planning, the childbirth experience, and care of the infant. (Fall)

HMEC 202. Parenting II (F-2) 2 hours

An examination of a variety of specific techniques for developing communication and working relationships between parents and children. Discussion of common problems of young children and of methods of modifying behavior. Special emphasis will be given to discipline, communication skills, and understanding and relating to children's individual characteristics. (Spring)

HMEC 225. Life Skills 2 hours

A basic course presenting a variety of skills necessary for successful living in today's world. NOT available for Home Economics majors and minors. (Fall)

HMEC 244. Household Equipment (G-2) 2 hours

Evaluation, use, and care of household appliances and equipment. (Spring, even years)

HMEC 349. Interior Design (F-2) 3 hours

A basic design course dealing with the principles of applied art in the home. Two lectures and three hours of laboratory each week. (Spring, even years)

HMEC 385. Home Management Seminar 1 hour

Studies in a variety of current trends relating to home management. Topics, announced in advance, will be chosen to meet student need and interest. (Fall, odd years)

HMEC 415. Practicum in Home Economics 2 hours

Prerequisites: Twenty hours in Home Economics including HMEC 147 and 349, and FDNT 317, or approval of the instructor.

Experience in solving problems of family living. Laboratory will include personal management as well as working in the community. Registration required at the department office one semester in advance. (Spring)

HMEC 485. Home Economics Seminar (W) 2 hours

Prerequisite: Twenty hours completed in Home Economics.

Recent trends in Home Economics and related professional fields. Required of and limited to majors. (Spring, even years)

HMEC 295/495. Directed Study 1-3 hours

To permit the advanced student majoring in Home Economics to do individual work in the field under the direction of a staff member. By departmental approval which must be obtained before the semester begins.

CLOTHING AND TEXTILES

CLTX 164. Textiles (G-2)**3 hours**

A study of basic fibers and fabrics including properties, construction, selection, uses, and care. Three lectures per week. (Fall, even years)

CLTX 165. Basic Clothing (G-2)**2 hours**

Basic principles of clothing construction as applied to individual garments. Three hours combination lecture/laboratory each week. Three hours of additional sewing experience required each week. (Fall)

CLTX 166. Intermediate Clothing (G-2)**2 hours**

Principles of wardrobe planning, selection, and care for the individual. Emphasis is given to the relationship of the art principles to clothing. Two lectures each week. Two hours of additional sewing experience required each week. (Spring)

CLTX 313. Clothing and Human Behavior (F-2), (W)**2 hours**

Clothing as it relates to self-expression and to the individual's adjustment to the physical and social environment. The Seventh-day Adventist philosophy of dress is studied. (Spring, odd years)

CLTX 315. Pattern Design**3 hours**

Prerequisite: HMEC 165 or approval of instructor.

Clothing design and practice in creating designs through flat pattern and draping techniques. Two lectures and three hours of laboratory each week. (Spring, odd years)

CLTX 316. Tailoring for Men and Women**3 hours**

Prerequisite: HMEC 165 or approval of instructor.

Evaluation and use of various tailoring methods as applied in selection, fitting and construction of tailored garments. (Fall, odd years)

CLTX 345. Upholstery (G-2)**3 hours**

Laboratory experience in simple upholstery. Two three-hour combined lecture and laboratory periods. There will be a fee for supplies. (Spring, even years)

EDUCATION

EDUC 438. Methods of Teaching Home Economics**2 hours**

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the semester. (Fall)

(F-2), (F-3), (G-2), (W) See pages 14-16 for explanation of General Education requirements.

— JOURNALISM AND COMMUNICATION —

Don Dick, Ph.D.

C. A. (Bill) Oliphant, Ph.D., Chairman

Ron Smith, M.S.

The Journalism and Communication Department at Southern College is committed to offering programs which meet the high standards of the Accrediting Council on Education in Journalism and Mass Communications, the national accreditation organization for college and university departments and schools of journalism throughout the United States.

Thus the Department of Journalism and Communication provides an educational environment in which future leaders in journalism, public relations and related areas can acquire the enduring ethical concepts, the intellectual discipline and the professional abilities necessary to the mastery and management of a wide range of writing, editing and other journalistic and public relations skills and techniques.

The department offers the Bachelor of Arts Degree with majors in Journalism and Public Relations. Minors are also available in each of these areas.

Two options are provided by the Journalism Major, one with a News Editorial emphasis, the other with a Broadcast Journalism emphasis.

The Journalism Major with News Editorial emphasis prepares students for careers as reporters, writers and editors for daily and weekly newspapers, magazines, wire services, publishing houses and for the vast array of publications that serve the church, business, industry, governmental agencies, the medical field, colleges and universities and other non-profit organizations.

Students enrolling in the Journalism Major with Broadcast emphasis receive preparation for careers in both commercial and public radio and television as reporters, writers and editors in news and public affairs operations.

Public Relations majors are prepared for careers in every major segment of business, industry, government, the church, colleges, universities, hospitals and other medical institutions and in a wide range of organizations.

Both the Journalism Major and the Public Relations Major prepare students for entry into graduate schools nationwide.

Members of the faculty will advise each student in planning a study program that is supportive of individual career goals, that meets degree requirements of the Department of Journalism and Communication, including the intermediate level of a foreign language, and fulfills General Education requirements.

INTERNSHIPS AND ON-THE-JOB TRAINING

Because of the strong relationships which the Department of Journalism and Communication has developed with the Chattanooga area mass media, journalism, broadcast and public relations students have many opportunities to meet and work with professionals in television and radio news, in public relations, advertising and on daily and weekly newspapers.

Internships: Arranging for students to fill internships on newspapers, in publishing houses, in public relations and fund development departments and in radio and television newsrooms is a vital part of the education program provided by the Department of Journalism and Communication.

A Journalism Professional Advisory Council works with the department to provide internships that give on-the-job experience. The department also participates in the General Conference internship program in which students work in various denominational institutions. The college radio station, WSMC FM90.5, also provides learning opportunities in the department.

Campus Publications: Students can gain valuable experience as writers and editors by working on Student Association Publications such as *Southern Accent*, the campus newspaper; *Southern Memories*, the yearbook.

BACHELOR OF ARTS DEGREE IN JOURNALISM OR PUBLIC RELATIONS

Major—Journalism: News Editorial

JOUR 105	Writing and Editing for the Mass Media	3 hours
JOUR 205	News Reporting	3 hours
JOUR 225	Introduction to Photography	3 hours
JOUR 265	History and Theory of Mass Communications	3 hours
JOUR 316	Magazine and Feature Article Writing	3 hours
JOUR 326	News Commentary and Critical Writing	3 hours
JOUR 355	Reporting Public Affairs	3 hours
JOUR 425	Science and Technical Writing	3 hours
JOUR 427	Mass Media Law and Ethics	3 hours
JOUR 488	Seminar: Mass Communications and Society	3 hours
TOTAL		30 hours

Required Cognates for News Editorial Emphasis:

ART 109	Design I	3 hours
ECON 213	Survey of Economics	3 hours

Journalism and Communication

122

PLSC 254	American National and State Government	<u>3</u> hours
TOTAL		9 hours

Recommended Elective for News Editorial Emphasis:

JOUR 497	Journalism Internship	3 hours
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Major—Journalism: Broadcasting

JOUR 105	Writing and Editing for the Mass Media	3 hours
JOUR 205	News Reporting	3 hours
JOUR 217	Radio Station Operations	3 hours
JOUR 265	History and Theory of Mass Communications	3 hours
JOUR 314	Broadcast News Writing	3 hours
JOUR 355	Reporting Public Affairs	3 hours
JOUR 427	Mass Media Law and Ethics	3 hours
JOUR 488	Seminar: Mass Communications and Society	3 hours
JOUR 493-494	Broadcast Journalism Workshop	<u>6</u> hours
TOTAL		30 hours

Required Cognates for Broadcast Emphasis:

BUAD 326	Introduction to Marketing	3 hours
BUAD 334	Principles of Management	3 hours
PLSC 254	American National and State Government	<u>3</u> hours
TOTAL		9 hours

Recommended Elective for Broadcast Emphasis:

JOUR 497	Journalism Internship	3 hours
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Major—Public Relations:

JOUR 105	Writing and Editing for the Mass Media	3 hours
JOUR 205	News Reporting	3 hours
JOUR 225	Introduction to Photography	3 hours
JOUR 316	Magazine and Feature Article Writing ..	3 hours
JOUR 427	Mass Media Law and Ethics	3 hours
JOUR 488	Seminar: Mass Communications and Society	3 hours
PREL 334	Public Relations Principles and Theory	2 hours
PREL 344	Fundamentals of Advertising	2 hours
PREL 365	Public Relations Techniques	3 hours
PREL 406	Public Opinion and Propaganda	3 hours
PREL 480	Case Studies: Public Relations and Organizational Communications	<u>2</u> hours
TOTAL		30 hours

Journalism and Communication

123

Required Cognates for Public Relations:

ART 109	Design I	3 hours
BUAD 326	Introduction to Marketing	3 hours
BUAD 355	Organizational Behavior	2 hours
TECH 145	Graphic Arts	3 hours
SPCH 135	Introduction to Public Speaking	3 hours
TOTAL		14 hours

Recommended Electives for Public Relations:

JOUR 314	Broadcast News Writing	3 hours
PREL 368	Fund Development	3 hours
PREL 497	Public Relations Internship	3 hours

Minor—News Editorial Journalism: 18 hours

JOUR 105	Writing and Editing for the Mass Media	3 hours
JOUR 205	News Reporting	3 hours
JOUR 316	Magazine and Feature Article Writing	3 hours
JOUR 325	News Commentary and Critical Writing	3 hours
JOUR 427	Mass Media Law and Ethics	3 hours
JOUR 488	Seminar: Mass Communications and Society	3 hours

Minor—Broadcast Journalism: 18 hours

JOUR 105	Writing and Editing for the Mass Media	3 hours
JOUR 205	News Reporting	3 hours
JOUR 217	Radio Station Operations	3 hours
JOUR 314	Broadcast News Writing	3 hours
JOUR 494	Broadcast Journalism Workshop	6 hours

Minor—Public Relations: 18 hours

ART 109	Design I	3 hours
JOUR 205	News Reporting	3 hours
JOUR 488	Seminar: Mass Communications and Society	3 hours
PREL 334	Public Relations Principles and Theory	2 hours
PREL 345	Fundamentals of Advertising	2 hours
PREL 365	Public Relations Techniques	3 hours
PREL 380	Case Studies: Public Relations and Organizational Communications	3 hours

Year-by-year outlines for each major offered are listed on page 272.

JOURNALISM

JOUR 105. Writing and Editing for the Mass Media **3 hours**

Prerequisite: Ability to type at least 30 wpm.

Introduction to computerized writing and editing of news, features and publicity for print and broadcast media; using the Associated Press Stylebook in copy editing; copy improvement, writing headlines, checking accuracy; picture editing, writing photo captions.

JOUR 205. News Reporting **3 hours**

Prerequisite: JOUR 105 or permission of the instructor.

News gathering and research techniques; development of news writing skills and style. Emphasis on clarity of writing, accuracy, balance and fairness and on meeting deadlines in covering news events and interviewing news sources.

JOUR 217. Radio Station Operations **3 hours**

College radio station WSMC-FM 90.5 serves as a laboratory in which students become familiar with day-to-day station operations, including control room procedures, announcing, production, broadcast news and teletype copy handling and processing, music programming. Introduction to station management and broadcast decision-making.

JOUR 225. Introduction to Photography (G-1) **3 hours**

Instruction in use of the camera and light meter; study of elements that constitute good photo composition, darkroom techniques involving film development, negative enlargement and print finishing. Students supply their own 35mm cameras with adjustable f-stops and shutter speeds. Two hours of lecture, three hours of laboratory each week. Supplies made available to class members at cost of approximately \$50.

JOUR 265. History and Theory of Mass Communications **3 hours**

Development of the press in the United States from colonial times to the present, its influence on American government and institutions; rise of the mass media system, including newspapers, magazines, advertising, public relations, radio, television and the impact of the media system on society. The course also includes study of theoretical models designed to provide understanding of the communications process.

JOUR 314. Broadcast News Writing (W) **3 hours**

Prerequisite: JOUR 105 or permission of the instructor.

Gathering information, interviewing, writing and editing for the broadcast media. Preparation of news and feature copy for release on the college radio station; instruction in writing spot announcements.

JOUR 315. Advanced Photography (G-1) **2 hours**

Prerequisite: JOUR 225 or equivalent.

Advanced photographic and darkroom techniques with emphasis on photo-journalism, creative use of the camera in producing photo essays, picture stories for publication and photo collections for exhibit. Students supply their own cameras with adjustable f-stops and shutter speeds. One hour of

Journalism and Communication

125

lecture, three hours of laboratory each week. Supplies made available to class members at cost of approximately \$75.

JOUR 316. Magazine and Feature Article Writing (W) 3 hours

Researching, writing and marketing the factual magazine piece and the newspaper feature article. Developing writing style through creative use of the English language.

JOUR 326. News Commentary and Critical Writing 3 hours

Journalistic interpretation and analysis of the news, study of the editorial and critical functions of the press; writing well-reasoned editorials and opinion-page articles based on thorough research and careful analysis of information. Writing book reviews, evaluations of radio, television, film productions, music, art and other cultural works.

JOUR 355. Reporting Public Affairs 3 hours

Reporting the actions of local, state and federal governments, politics, education, religion, economics, social and environmental issues, with emphasis on background research and investigative reporting.

JOUR 425. Science and Technical Writing 3 hours

Specialized course in researching, interpreting and writing articles on health, medicine, science and technology for publications serving the general public as well as professional audiences.

JOUR 427. Mass Media Law and Ethics 3 hours

Study of the legal, ethical and constitutional issues affecting the media and the news gathering and dissemination process. Concepts of libel, privacy, free-press, fair-trial; Contempt of court, access to information, protection of sources, copyright law and government regulation of the media.

JOUR 489. Advising Student Publications 2 hours

Journalistic writing and editing principles as they apply to student newspapers, yearbooks and other publications; libel law, responsibilities of the publications adviser and of the student editor; accuracy, balance and fairness in handling information for publication; role of student publications in institutional life.

JOUR 488. Seminar: Mass Communications and Society 3 hours

This seminar provides for informed student participation in the examination of the role and function of the mass media system in the United States; the concept of social responsibility as a constraint upon the media; ethical, social, economic and political issues involved in the function of newspapers, magazines, radio, television, advertising and public relations. Emphasis on reading, writing media critiques and on analysis of concepts and ideas.

JOUR 490. Workshop for Free-lance Writers 3-6 hours

Designed for individuals who are or who want to become free-lance writers and who have developed an outline for a major manuscript or who are engaged in writing a substantial magazine article or book. The workshop provides critical evaluation and guidance in writing and rewriting as well as

Journalism and Communication

126

an overview of the challenges and opportunities in free-lance writing. Enrollment by permission of instructor.

JOUR 493-494. Broadcast Journalism Workshop I, II **3,3 hours**

The purpose of this course is to give students realistic training in broadcast journalism through personal involvement. A television or radio station serves as the classroom in which the workshop is conducted. Students begin as observers of news and public affairs operations, then become active participants in these operations. Course requirements include assigned readings, periodic research reports based on readings, observations, activities and interviews with station news and other personnel. A major research paper and participation in twice monthly group seminars are also required. Students are responsible for their own transportation. (Fall, Spring)

JOUR 495. Directed Study **1-4 hours**

For students who want to do independent research and writing in a specialized area of the mass media. The end product of the directed study will be a carefully documented research paper. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the research project.

JOUR 497. Journalism Internship **3 hours**

Students work at a newspaper, magazine, radio or television station; in a publishing house, public relations department or firm or an advertising agency to obtain on-the-job experience. Conferences with the instructor provide evaluation and guidance. Internship arrangements are made in advance in consultation with the instructor.

PUBLIC RELATIONS

PREL 334. Public Relations Principles and Theory **2 hours**

Basic Public Relations principles, philosophy and theory as they relate to the historical development and contemporary practice of public relations; analysis of the public relations role in business, industry and non-profit organizations and of the functions and responsibilities of the public relations practitioner.

PREL 344. Fundamentals of Advertising **2 hours**

Advertising theories and principles; fundamental of advertising copy writing, layout and design. Overview of research and campaign planning for public relations and marketing.

PREL 365. Public Relations Techniques **3 hours**

Communications techniques used in public relations to identify and reach specified audiences through mass media channels and through controlled media. Preparation of press releases, brochures, newsletters, reports, audio-visuals, speeches and media campaigns; planning and conducting special events.

PREL 368. Fund Development **3 hours**

Study of fund-raising principles and concepts; techniques used in planning, organizing and carrying out a fund-raising campaign; developing prospect

lists, writing proposals, identifying and training development leadership, working with foundations.

PREL 406. Public Opinion and Propaganda 3 hours

Historical origin and contemporary uses of propaganda; the concept of public opinion; motivational tools and techniques to achieve public response; characteristics of publics and how they are influenced.

PREL 480. Case Studies: Public Relations and Organizational Communications 2 hours

The public relations function in the context of the organizational communications and decision-making process. Application of communications theory and techniques in developing both internal and external communications systems in terms of organizational nature and purpose; selected case studies.

PREL 295/495. Directed Study 1-4 hours

For students who want to do independent research and writing in a specialized area of public relations, advertising or marketing. The end product of the directed study will be a carefully documented research paper. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the research project.

PREL 497. Public Relations Internship 3 hours

Supervised work in a public relations office, department or agency. Conferences with the instructor to provide evaluation and guidance. Internship arrangements are made in advance with the instructor.

SPEECH

SPCH 135. Introduction to Public Speaking (D-4) 3 hours

Preparation and presentation of short informative and persuasive speeches with emphasis on the selection and organization of material, reasoning, methods of securing interest, persuasive strategies, and the elements of delivery. (Fall, Spring, Summer)

SPCH 136. Interpersonal Communication (D-4) 2 hours

Introducing the process of informal transactional communication, this course emphasizes a quality of communication rather than a communication setting, namely personal involvement through emphatic listening and self-disclosure. The course utilizes readings and learning activities to help students understand the theory of interpersonal communication and apply it in realistic transactions. (Fall, Spring)

SPCH 236. Oral Interpretation (D-4) 2 hours

Theory and practice in the art of conveying to others the full meaning of selections in literature of various types via reading and interpreting orally. (Fall, Spring)

LIBRARY SCIENCE

Peggy Bennett, M.S.L.S., Chairman
Loranne Grace, M.L.S.
Patricia Morrison, M.L.S.

Accepting no more students into this program after August, 1986.

Minor: Eighteen hours.

A school librarian K-12, Tennessee endorsement is available to certified teachers who complete the 18 hours of Library Science provided by this minor.

Teaching Endorsement: If a student meets the requirements for a first teaching field he may add the following endorsement by meeting the number of hours indicated below.

LIBR 125	Reference	3 hours
LIBR 226	Libraries and Librarianship	2 hours
LIBR 314	Cataloging and Classification	3 hours
LIBR 325	Library Materials for Children	3 hours
LIBR 333	Instructional Media	2 hours
LIBR 416	School Library Media Center Administration	3 hours
LIBR 425	Library Materials for Young Adults and Adults	2 hours
TOTAL		18 hours

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

Schedule of Course Offerings:

	87	87-88	88	88-89
	Summer		Summer	
1st Sem.	226	125	314	125
	325	226	416	226
2nd Sem.		325		325
		425		416

LIBR 125. Reference (G-2) 3 hours

Presents basic concepts, selection and use of general and specialized reference material for all levels of school libraries. Useful for the general student who desires to know how better to use the library. Required for all student assistants working in McKee Library. (Fall)

LIBR 226. Libraries and Librarianship 2 hours

Introduces the aspects of the library profession and the areas of service of various types of libraries. Develops the career possibilities of librarianship. (Fall)

LIBR 314. Cataloging and Classification 3 hours

Prerequisite: LIBR 125, 226.

Examines the basic concepts and strategies for instituting and operating the cataloging area of the school library or media center. Involves the student in the basic methods of cataloging, classification, and other technical procedures integral to the retrieval of information. (Fall)

LIBR 325. Library Materials for Children 3 hours

Presents to the student a knowledge of a wide variety of books and related materials for children, grades 1-8. Develops an appreciation for books and reading that can be enthusiastically transmitted to young readers through critical evaluation and selection of books and materials. Correlates the use of books and materials to the specific needs and interests of young readers. (Spring)

LIBR 333. Instructional Media 2 hours

A laboratory course in the selection, operation, and use of audio-visual equipment and materials. Preparation of transparencies, flat pictures, graphics, and audio materials will be required. One hour lecture and three hours laboratory per week. (Spring)

LIBR 416. School Library Media Center Administration 3 hours

Prerequisites: LIBR 125, 226, 314.

Presents the basic concepts and organizational procedures for the administrative personnel of the school library or media center so that this resource will become involved with the total program of the school. (Spring)

LIBR 425. Library Materials for Young Adults and Adults 2 hours

Gives emphasis to the variety of books and related materials for grades 9-12. Correlates critical evaluation and selection to the interests, use, and specific needs of the young adult as he develops his reading habits and skills. Develops an appreciation for books and reading that can enthusiastically involve both young adults and adults. (Spring)

LIBR 467. Library Internship 3 hours

This course is available to students already employed in a media center. Field experience under supervision in which the following competencies are applied: 1) selection and utilization of resource materials, 2) the design and production of A/V items, 3) technical processing of media, and 4) the administration and management of media services. Conferences will be held with the student and the immediate supervisor at regular intervals throughout the semester.

(G-2) See pages 14-16 for explanation of General Education requirements.

MATHEMATICS

Lawrence Hanson, Ph.D., Chairman
Robert Moore, M.S., Study Leave
Art Richert, Ph.D.

Throughout recorded history mathematics and mathematical thinking have influenced man's culture to an extent that even many well-educated people fail to appreciate. The *Elements* of Euclid, the invention of a place-value numeration system, the invention of the calculus, and more recently the development of statistical inference, to name just a few, are mathematical contributions to civilization which have significantly affected the philosophies, commerce, science, and technology of mankind.

The Mathematics Department seeks to transmit this mathematical heritage to the students of Southern College by (1) introducing students to mathematical concepts and techniques and the disciplined, logical thinking required to successfully apply them to a variety of problem-solving experiences, (2) providing a stage of the formal education of professional mathematicians, (3) educating teachers of mathematics, and (4) providing appropriate courses for users of mathematics.

BACHELOR OF SCIENCE DEGREE IN MATHEMATICS

Major: Forty hours including MATH 317, 318, 319, 411, 412, and 485. Cognate requirements are CPTR 218; PHYS 211-212, 213-214.

BACHELOR OF ARTS DEGREE IN MATHEMATICS

Major: Thirty hours including MATH 318, 319, 411, 412 and 485. CPTR 218 is a cognate requirement. For those with two majors or secondary certification, mathematics electives may be substituted for MATH 319 and 412.

Minor: Eighteen hours including MATH 115 and six hours of upper division courses.

Teaching Endorsement: In addition to meeting the requirements for a first teaching field, the student may add the following endorsement by meeting the number of hours indicated below:

MATH 114	Elementary Functions and Relations	4	hours
MATH 115	Calculus I	4	hours
	Math elective credit including		
	six hours numbered 300 or above	10	hours
	TOTAL	18	hours

The student must apply to the Department of Education for admission to the Teacher Education Program and the professional semester before

the end of the sophomore and junior years, respectively. Please see the note on page 84 between EDUC 134 and 217.

Year-by-year outlines for each major offered are listed on page 274.

MATH 099. Basic Mathematics (A-2)

Non-Credit

This course concentrates on the skills of arithmetic and beginning algebra and their application to everyday life situations. Calculated as one hour for determining class loads. Students with ACT mathematics standard score of 12 or above are exempt from this course. There is a \$50 charge for this course. (Fall, Spring, Summer)

MATH 103. Survey of Mathematics (A-2)

3 hours

Prerequisite: MATH 099 or exemption.

Basic concepts from the following topics: sets, mathematical logic, numeration systems, number theory, probability, statistics, algebra, geometry, metric system, consumer mathematics. This course does not apply on a major or minor in mathematics. (Fall, Spring)

MATH 104. Intermediate Algebra (A-2)

3 hours

Prerequisite: MATH 099 or exemption.

Number systems and their properties, exponents and radicals, equations and inequalities, polynomial functions and their graphs, systems of equations, logarithms. This course does not apply on a major or minor in mathematics. (Fall, Spring, Summer)

MATH 114. Elementary Functions and Relations (A-2)

4 hours

Prerequisite: MATH 104 or two years of high school algebra.

The real and complex number systems; the elementary functions and their graphs, including polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and their inverses; analytic geometry. Only two hours apply toward a major in mathematics. (Fall)

MATH 115. Calculus I

4 hours

Prerequisite: MATH 114 or four years of high school mathematics which include at least one semester of trigonometry and some analytic geometry.

Differential and integral calculus of the elementary functions including limits, continuity, the derivative, computation of derivatives, applications of the derivative, the definite integral, the fundamental theorem of calculus, computation of antiderivatives, applications of the definite integral. (Spring)

MATH 215. Statistics (A-2)

3 hours

Prerequisite: An ACT mathematics standard score of 22 or above, or two years of high school algebra with a B average, or MATH 104, or MATH 103.

An introduction to descriptive and inferential statistics including organization and analysis of data, elementary probability, probability distributions (binomial, normal, Student's t , chi-square, F), estimation, hypothesis testing, correlation and regression, nonparametric statistics. (Fall, Summer)

Mathematics

132

MATH 216. Set Theory and Logic 2 hours

Prerequisite: MATH 115.

An introduction to some of the basic ideas, terminology, and notation of logic and sets. The concept of a mathematical proof will be emphasized. (Spring)

MATH 217. Calculus II 3 hours

Prerequisite: MATH 115.

Precise definitions of limits, further topics in differential calculus, estimating definite integrals, polar coordinates, parametric equations, sequences, infinite series, Taylor series, functions of two variables, partial derivatives, directional derivatives. (Fall)

MATH 218. Calculus III 3 hours

Prerequisite: MATH 217.

Algebraic operations on vectors, multiple integrals, vector calculus including Green's theorem, Stokes's theorem, and the divergence theorem. (Spring)

MATH 314. Applied Finite Mathematics 3 hours

Prerequisite: MATH 215 or BUAD 313.

Linear programming—simplex method, primal/dual interpretation, transportation problems. Decision theory under classical and Bayesian statistics. Game theory, inventory models and control, queuing theory. Program Evaluation and Review Technique (PERT). (Spring)

MATH 315. Differential Equations 3 hours

Prerequisite: MATH 217.

Classification and solution of common types of ordinary differential equations, power series solutions, systems of linear differential equations, the Laplace transform, applications to problems in the physical sciences. (Spring)

MATH 316. Mathematics of Physics 3 hours

Prerequisite: MATH 315.

Partial differential equations, Fourier series, boundary value problems, Bessel functions, Legendre polynomials. (Fall, even years)

MATH 317. Complex Variables 3 hours

Prerequisite: MATH 216, 218.

An introduction to the theory of analytic functions of a complex variable, including mappings by elementary functions, complex integration, the Cauchy-Goursat theorem, Cauchy's integral formula, power series, Laurent series, the theory of residues, and conformal mapping. (Spring, odd years)

MATH 318. Algebraic Structures 3 hours

Prerequisite: MATH 216, 218.

The structure of groups, rings, integral domains, and fields. (Fall, even years)

MATH 319. Linear Algebra

3 hours

Prerequisite: MATH 115, 216.

Finite dimensional vector spaces and the attendant concepts of systems of linear equations, linear transformations, matrices, determinants, eigenvalues and eigenvectors. (Spring, odd years)

MATH 405. Numerical Analysis

3 hours

Prerequisites: MATH 218, 315, and a knowledge of Fortran.

Interpolation and approximation, numerical differentiation and integration, numerical methods of solving algebraic and differential equations, error analysis. (Spring, even years)

MATH 411, 412. Intermediate Analysis

3,3 hours

Prerequisite: MATH 216, 218.

The real number system, sequences, limits and metric spaces, continuity, uniform continuity, introduction to point set topology, properties of the derivative and integral, convergence and uniform convergence of sequences and series of functions, the Lebesgue integral, Fourier series. (Fall, odd years, and Spring, even years)

MATH 415. Geometry

3 hours

Prerequisite: MATH 115, 216.

Topics selected from the following: foundations of Euclidean geometry, finite geometries, advanced Euclidean geometry, non-Euclidean geometry, geometric transformations, the geometry of inversion, projective geometry. (Fall, odd years)

MATH 485. Mathematics Seminar (W)

1 hour

Prerequisite: Permission of Mathematics staff.

Written and oral reports are made on a variety of topics in mathematics and current literature. May be repeated for credit. (Fall, odd years)

MATH 295/495. Directed Study

1-3 hours

Prerequisite: Approval by department faculty.

Individual reading and problem solving in a field chosen in consultation with an instructor. (On demand)

EDUCATION

EDUC 438. Methods of Teaching Mathematics and Physics

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performance, and the survey and evaluation of textbooks. Four lectures each week of the first half of the semester. (Spring)

(A-2), (W) See pages 14-16 for explanation of General Education requirements.

MODERN LANGUAGES

Helmut Ott, Ed.D., *Chairman*

This department offers the opportunity for students to discover French, German, and Spanish not only as living languages but also as reflections of the cultures, customs, and peoples they represent. The aim, then, is to provide both an aesthetic background and a practical tool in the event the student becomes an overseas traveler or worker.

The ability to communicate with people is increasingly essential in today's shrinking world, and an acquaintance with a foreign culture should be part of the background of educated persons, particularly those with a sense of world mission. The Department of Modern Languages aspires toward helping Christians fulfill this responsibility to demonstrate good will, whether as travelers and business people or as respondents to the Master's gospel commission.

Students whose mother tongue is a language other than English and who wish to major in their native language obviously begin with certain basic skills already achieved. These skills are reasonably expected to be at least equivalent to the intermediate level. Such students will be asked to demonstrate these skills through a qualifying examination which, when successfully completed, will constitute a waiver of the six intermediate credits. These six credits are to be replaced by three hours of advanced English grammar (ENGL 218) and three hours from Masterpieces in Translation (MDLG 304), American or English literature, or American history. The foreign language major for students majoring in their mother tongue may thus be considered to consist of 30 hours but to include a substitution of six hours.

FOREIGN STUDY

Adventist Colleges Abroad. Southern College is a member of the consortium of colleges and universities which, under the auspices of the General Conference of Seventh-day Adventists, supports the Adventist Colleges Abroad program. ACA provides an opportunity for students of French, German, or Spanish to achieve proficiency in the foreign language amid the added advantages of an authentic cultural setting.

The following institutions are affiliates of ACA: In Austria, Seminar Schloss Bogenhofen, Braunau; in France, Seminaire Adventiste, Collonges-sous-Saleve; and in Spain, Colegio Adventista de Sagunto, Sagunto.

Students participate in the ACA program to obtain such goals as a language major with a speaking proficiency; a language minor with a speaking proficiency; general education credit, especially in such fields as history, humanities, religion, art, and music in an overseas setting; broader perspectives through foreign travel and experience, without

loss of academic time; foreign study at reasonable cost; and insights into the global nature of the Seventh-day Adventist Church.

Most ACA students return with a minor in the language. Some, especially if they have completed the intermediate year before leaving for Europe, return with enough credits for a major. A major or minor in the foreign language is not automatic, however; ACA students intending to fulfill major or minor requirements must counsel with the Modern Languages staff before drafting their overseas program.

Needed for admission to the ACA program are:

1. Admission as a regular student at Southern College.
2. Competence in the language. (The intermediate level is recommended; one year in college or two in secondary school may sometimes be accepted.)
3. A record free from academic and citizenship probation.
4. The special ACA application form, submitted to the Admissions Office.
5. Compliance with the financial requirements. (See page 204. Costs, including transportation, are comparable to those at Adventist colleges in the United States.)

The University of Montemorelos. By arrangement with the University of Montemorelos in Nuevo Leon, students may apply for an intensive summer course in Spanish in Mexico. An academic-year program is also available to a limited number of students. Credit for both plans is variable.

BACHELOR OF ARTS DEGREE IN FRENCH, GERMAN, OR SPANISH

Major—French, German or Spanish: Thirty hours for the Bachelor of Arts degree, excluding course 101-102 but including course 211-212. Because the number of hours available on the Southern College campus is limited, especially in French and German, students are expected to earn a large portion of their major through ACA or the Montemorelos affiliation. Students not interested in foreign study are referred to the International Studies major (below).

Minor—French, German or Spanish: Eighteen hours excluding course 101-102 but including course 211-212 and six hours of upper-division courses. Because advanced courses in French and German are not at present offered on the Southern College campus, the student desiring a minor in French or German must plan either a year in the ACA program or two summer terms in an intensive language program previously approved by this department.

BACHELOR OF ARTS IN INTERNATIONAL STUDIES (INST)

Major—International Studies: This major is intended to offer basic language and literature within a framework of international cultural

Modern Languages

136

dimensions. Such a program is sometimes considered a “humanities major.” Only a Spanish emphasis is at present available on the Southern College campus. The French or German emphasis, however, may be available to ACA students who complete sufficient language, culture and literature courses overseas. For the International Studies major, thirty hours are required, as listed below. A cognate requirement of RELT 368, Comparative Religions (3 hours), may be taken as one of the required general education courses (area B).

SPAN (or GRMN or FREN) 211-212 —	
Intermediate Level	6 hours
SPAN (or GRMN or FREN) 344 — Composition and	
Conversation	3 hours
SPAN (or GRMN or FREN) 354 — Culture and Civilization	3 hours
ENGL 445 — World Literature	3 hours
MDLG 304 — Masterpieces in Translation	3 hours
ART 344 (or MUHL 115) — History of Art	
(or Listening to Music)	3 hours
HIST 386, 389 (or 354) — Rise of the West	
or Vienna to Vietnam (or History of Latin America)	3 hours
Additional hours from language and literature, world geog-	
raphy, a second foreign language, or ART 344 or MUHL 115	
(whichever is not taken above)	6 hours*

* Students desiring certification in Spanish, French or German must take these six hours in that language.

TOTAL 30 hours

Teaching Endorsement:

1. For students with successful completion of 2 years Foreign Language study in high school:
 - a. One language endorsement—a minimum of eighteen hours in that language.
 - b. Two or more foreign languages—a minimum of thirty semester hours with a minimum of twelve semester hours in each of the languages.
2. For students with no evidence of two years of high school credit:
 - a. One language endorsement—a minimum of twenty-four hours in that language.
 - b. Two or more foreign languages—a minimum of eighteen semester hours in each of the languages.

Before the end of the sophomore year, the student must apply to the Department of Education for admission to the Teacher Education Program. Before the end of the junior year, the student must apply to the Department of Education for admission to the professional semester. Read carefully the instructions after EDUC 134 on page 89.

SPECIAL COURSES

MDLG 304. Masterpieces in Translation (D-2) 3 hours

A survey of great literary works from France, Germany, Spain, and Spanish America, from the seventeenth century to modern times. Students desiring a complete survey of world literature may first enroll for ENGL 445, World Literature, which covers the centuries up to the seventeenth. Applies toward general education requirements in literature but not toward the major in French, German or Spanish. (Spring, even years)

MDLG 295/495. Directed Study 1-6 hours

The content of this course will be adjusted to meet the particular needs of the individual student. This course also includes credit offered by the Modern Languages Department on directed study tours. Approval of the instructor must be obtained prior to registration for the course.

FRENCH

FREN 101-102. Elementary French (D-1) 3,3 hours

FREN 101, or equivalent, is prerequisite to FREN 102.

A foundation course in the basic skills. May be waived by examination. Laboratory work is required. No credit will be allowed for elementary modern language if credit has already been received for it at the secondary level. (No credit may be earned for this course by students whose mother tongue is French.)

FREN 211-212. Intermediate French (D-1) 3,3 hours

Prerequisite: FREN 101-102, or two years of French in secondary school, or a satisfactory score on a standardized examination.

Advanced grammar; intensive and extensive reading of moderately difficult material; oral and written exercises. Laboratory work is required. (No credit may be earned for this course by students whose mother tongue is French. FREN 211 is offered Fall even years; 212, Spring odd years.)

GERMAN

GRMN 101-102. Elementary German (D-1) 3,3 hours

GRMN 101, or equivalent, or one year of German in secondary school, is prerequisite to GRMN 102.

A foundation course in the basic skills. May be waived by examination. Laboratory work is required. No credit will be allowed for elementary modern language if credit has already been received for it at the secondary level. (No credit may be earned for this course by students whose mother tongue is German.)

GRMN 211-212. Intermediate German (D-1) 3,3 hours

Prerequisite: GRMN 101-102, or two years of German in secondary school, or a satisfactory score on a standardized examination.

Modern Languages

138

Advanced grammar; intensive and extensive reading of moderately difficult material; oral and written exercises. Laboratory work is required. (No credit may be earned for this course by students whose mother tongue is German. GRMN 211 is offered Fall odd years; 212, Spring even years.)

SPANISH

SPAN 101-102. Elementary Spanish (D-1) 3,3 hours

SPAN 101, or equivalent, is prerequisite to SPAN 102.

A foundation course in the basic skills. May be waived by examination. Laboratory work is required. No credit will be allowed for elementary modern language if credit has already been received for it at the secondary level. (No credit may be earned for this course by students whose mother tongue is Spanish).

SPAN 211-212. Intermediate Spanish (D-1) 3,3 hours

Prerequisite: SPAN 101-102, or two years of Spanish in secondary school, or a satisfactory score on a standardized examination.

Advanced grammar; intensive and extensive reading of moderately difficult Spanish texts; oral and written exercises. Laboratory work is required. (No credit may be earned for this course by students whose mother tongue is Spanish).

SPAN 344. Composition and Conversation (D-1), (W) 3 hours

Prerequisite: SPAN 211-212 or equivalent.

Development of skill in speaking, understanding, and writing idiomatic Spanish. (Open to Spanish or Latin-American nationals only by permission of instructor. Fall, odd years)

SPAN 354. Hispanic Culture and Civilization 3 hours

Prerequisite: SPAN 211-212 or equivalent.

Backgrounds of the social, religious, political, economic, artistic, and intellectual scene in the Spanish-speaking world. (Fall, even years)

SPAN 365. Spanish Linguistics 3 hours

Prerequisite: SPAN 211-212 or equivalent. Recommended: SPAN 344.

Introduction to the morphological, syntactic, and phonemic structure of the Spanish language. Practice in sounds, intonation, and transcription; remedial pronunciation drills. The course includes a brief survey of the history of the language. (Spring, odd years)

SPAN 376. Masterpieces of Spanish Literature (D-2) 3 hours

Prerequisite: SPAN 211-212 or equivalent.

History and development of Spanish literature; reading of representative works. No credit allowed if SPAN 336 credit has been awarded. (Spring, odd years)

SPAN 436. Masterpieces of Spanish-American Literature (D-2) 3 hours

Prerequisite: SPAN 211-212 or equivalent.

History and development of Spanish-American literature; reading of representative works. (Spring, even years)

EDUCATION

EDUC 438. Methods of Teaching Modern Languages 2 hours

Prerequisite: Admission to Teacher Education.

Learning and teaching a foreign language, in both theory and practical application, with special attention to goals, planning, classroom techniques, selection and utilization of materials and aids, and evaluation of student performance. Four lectures each week of the first half of the first semester during the senior year.

(D-1), (D-2), (W) See pages 14-16 for explanation of General Education requirements.

ADMISSION REQUIREMENTS

Music majors must fulfill all the general admission requirements of the college. In addition, a prospective music major is required to take written and aural entrance examinations in music theory and a performance examination in the applied concentration. To obtain freshman standing as a music major the student must qualify for MUJ 111 and MUJ 189.

Further information regarding the entrance examination may be obtained by writing the chairman of the Department of Music.

GENERAL REQUIREMENTS

Faculty evaluation of the student's progress in the first semester of the program is required. The student must pass a minimum of two applied piano examinations. The functional piano examination is required for teacher certification. The functional piano examination includes the playing of hymns, chorales, and other repertoire, moderately easy compositions and accompaniments, and a performance of a single folk melody. The functional piano examination should be passed in the first year of the first semester in residence. The student must register for applied piano in the first semester of the program. One semester of applied piano is required for teacher certification. Applied piano examinations are required following every examination at the end of each semester.

MUSIC

J. Bruce Ashton, D.M.A.
Orlo Gilbert, M.Mus. Ed.
Judith Glass, M.Mus.
Marvin L. Robertson, Ph.D., *Chairman*
Patricia Silver, M.A.

The faculty of the Department of Music believes that music is one of the arts given to man by his Creator to be used in the worship of God and to enhance the quality of man's life. In harmony with this philosophy, course work is offered which meets the needs of the general college student as well as music majors and minors.

The Department of Music offers two baccalaureate degrees, the Bachelor of Music degree in music education and the Bachelor of Arts degree in music. Both degrees require courses in music theory and history, as well as a high level of achievement in a major performance area. In addition, the Bachelor of Music degree emphasizes the skills necessary for teaching music, with special emphasis on the training of teachers for the Seventh-day Adventist school system.

ADMISSION REQUIREMENTS

Music majors must fulfill all the general admission requirements of the college. In addition, a prospective music major is required to take written and aural entrance examinations in music theory and a performance examination in the applied concentration. To obtain freshman standing as a music major the student must qualify for MUCT 111 and MUPF 189.

Further information regarding the entrance examinations may be obtained by writing the chairman of the Department of Music.

GENERAL REQUIREMENTS

Functional Piano: All music majors must pass a functional piano examination or pass four hours of piano secondary. (The latter may not be used as part of the applied music requirement in the Vocal/General Endorsement for teacher certification.) The functional piano examination includes the playing of hymns, scales, triads, arpeggios, several moderately easy compositions and accompaniments, and the harmonization of simple folk melodies. The functional piano examination should be passed during the first week of the first semester in residence or the student must register for applied piano instruction.

Applied Music Credit: One semester hour of credit will be given for thirteen half-hour lessons with a minimum of four hours of practice per lesson. Applied music concentration grades are assigned following a jury examination at the end of each semester.

Concert and Recital Attendance: Full-time music majors are required to attend twelve Department approved concerts per semester, except for the student teaching semester. Attendance shall include faculty and senior recitals in the student's applied concentration area. Failure to meet this requirement will nullify music major status.

Music Ensemble Participation: All music majors are required to participate in a music ensemble every semester in full-time residence (12 or more hours). During the student teaching semester, students are exempted from this requirement. Teacher certification candidates must, however, complete eight (8) hours of appropriate ensembles.

Senior Recital: The candidate for the Bachelor of Music degree or the Bachelor of Arts degree will present a senior recital. The student must be registered for private instruction while preparing for the senior recital. Upon music faculty approval the senior recital requirement may be partially fulfilled through a conducting or chamber music performance.

A faculty audition of the complete program must be scheduled at least three weeks before the recital date. Unsatisfactory performance at this audition will result in a rescheduling of the recital date.

JUNIOR STANDING

Music majors must apply for junior standing at the end of the sophomore year. The requirements for junior standing are as follows:

- a. An overall grade point average of 2.0 for the Bachelor of Arts degree and 2.25 for the Bachelor of Music degree.
- b. A grade point average of 2.5 in all music courses.
- c. Completion of the functional piano requirement.
- d. Completion of MUCT 111-112, 121-122.
- e. Completion of four hours of credit in the student's applied music concentration area.

Faculty evaluation of the application for junior standing will result in the student receiving one of the following classifications: (a) Pass, Bachelor of Music; (b) Pass, Bachelor of Arts; (c) Probation; (d) Fail. Junior standing requirements must be met at least two semesters before graduation.

BACHELOR OF MUSIC CURRICULUM

The Bachelor of Music degree in music education is an NCATE approved degree which meets state and denominational certification requirements. Students must apply for admission to the Teacher Education Program, through the Department of Education, prior to taking education courses. Each student will be responsible to determine the additional courses that may be required for certification in the state of his choice. This information can be obtained at the Department of Education.

Music

142

State certification and graduation requirements for Music Education majors include passing the NTE Specialty Test in Music Education at the 480 level.

The following general education requirements apply only to students pursuing a Bachelor of Music degree:

A. Basic Academic Skills	9 hours
1. English	6 hours
2. Mathematics	3 hours
B. Religion	12 hours
1. Biblical Studies (RELB)	6 hours
2. Religion: RELT 155, 238	6 hours
C. History, Political and Economic Systems	9 hours
1. History	6 hours
2. Political Science and Economics	3 hours
D. Language, Literature, Fine Arts	3 hours
1. Foreign Languages (Intermediate level)	0-3 hours
2. Literature	0-3 hours
E. Natural Sciences	6 hours
1. Biology	0-3 hours
2. Chemistry	0-3 hours
3. Physics	0-3 hours
F. Behavioral, Family, Health Sciences	2 hours
1. Health Science: HLED 173	2 hours
G. Activity Skills	4 hours
1. Recreational Skills	4 hours
TOTAL	45 hours

Music Core:

MUCT 111-112	Music Theory I, II	6 hours
MUCT 121-122	Aural Theory I, II	2 hours
MUCT 211-212	Advanced Music Theory III, IV	6 hours
MUCT 221-222	Advanced Aural Theory III, IV	2 hours
MUHL 314, 315	History of Music	8 hours
MUPF 477	Instrumental Conducting Techniques	3 hours
MUPF 478	Choral Conducting Techniques	3 hours
MUPF 313	Orchestration & Arranging	3 hours
TOTAL		33 hours

Keyboard proficiency must be demonstrated by passing a piano proficiency examination. Four (4) hours of keyboard secondary may be used in lieu of the proficiency examination. The four hours of keyboard may not be used as part of the applied music requirement in the Vocal/General Endorsement.

Vocal/General Endorsement

A. Applied Music Concentration Voice

Applied Concentration	14 hours
Appropriate Ensemble(s)	8 hours
Vocal and General Methods including:	
MUED 231 Music Methods in Elem. School	2 hours
MUED 317 Voice Pedagogy	2 hours
MUED Elective	2 hours
MUED 439 Student Teaching Seminar	1 hour
Music Elective	4 hours
TOTAL	33 hours

B. Applied Music Concentration Keyboard

*Applied Concentration (Piano or Organ)	14 hours
Applied Concentration (Voice)	4 hours
Appropriate Ensemble(s)	8 hours
Vocal and General Methods including:	
MUED 231 Music Methods in Elem. School	2 hours
MUED 317 Voice Pedagogy	2 hours
MUED 316 Piano Pedagogy (Piano Concentration)	
or	
MUED 318 Organ Pedagogy (Organ Concentration)	2 hours
MUED 439 Student Teaching Seminar	1 hour
TOTAL	33 hours

- *1. Organ majors must take two hours of MUPF 279, Service Playing, in lieu of two hours of MUPF 289.

Instrumental Endorsement

Applied Music Concentration

(one instrument: wind, string, or percussion)	14 hours
Appropriate Ensemble(s)	8 hours
Secondary Instrument Instruction	
(must include at least two areas, excluding keyboard)	6 hours
Instrumental Music Methods and Materials	6 hours
MUED 439 Pre-Student Teaching Seminar	1 hour
TOTAL	35 hours

Vocal/General and Instrumental Endorsement

An applicant for endorsements in both areas above may complete a minimum of ten semester hours in methods and materials, provided both are represented.

Education Core: (Before taking education courses, the student must apply to the Education Department for admission to the Teacher

Education Program. Before the end of the junior year, the student must apply to the Education Department for admission to the professional semester.)

EDUC 125	Foundations of Education	3	hours
EDUC 134	Principles of Christian Education	2	hours
EDUC 217	Psychological Foundations of Education	3	hours
EDUC 240	Education of the Exceptional Student	2	hours
EDUC 356	Tests and Measurements	2	hours
EDUC 427	Current Issues in Education	2	hours
EDUC 432	Reading in Secondary School	2	hours
EDUC 468	Student Teaching, 7-12	6	hours
		<u>22</u>	hours

MUSIC EDUCATION

MUED 439	Pre-Student Teaching Seminar	1	hour
MUED 231	Music Methods in Elementary School Pedagogy, or Materials and Methods .	<u>6</u>	hours
		7	hours

BACHELOR OF ARTS DEGREE IN MUSIC

The Bachelor of Arts in music is a non-professional degree designed to give the student a broad understanding of the musical heritage of man.

Major: Forty hours including fourteen upper division hours and the following:

Music Theory including MUCT 111-112; 121-122; 211-212; 221-222	19	hours
MUHL 314-315 — History of Music to 1750/1750 to Present	8	hours
MUPF 189, 389 — Concentration	8	hours
Music Ensembles	5	hours

A student must complete all general education requirements of the College.

The foreign language recommended is either French or German.

Music Minor: Eighteen hours including the following:

MUCT 111-112 — Music Theory I and II	6	hours
MUHL 115 — Listening to Music	3	hours
MUPF 189 — Concentration	2	hours
MUPF 477 or 478 — Instrumental or Choral Conducting Techniques	3	hours
Music Course Electives (including three hours upper division)	<u>4</u>	hours
	18	hours

Year-by-year outlines for each major offered are listed on page 275.

MUSIC THEORY

MUCT 100. Introduction to Music Theory **2 hours**

A study of the rudiments and basic vocabulary of music theory. Does not apply toward a music major or minor. This is a computer assisted course. (Spring, Summer)

MUCT 111-112. Music Theory I and II **3,3 hours**

Prerequisite: MUCT 100 or examination.

A study of the elements which render music of all periods aurally and visually comprehensible, within simple forms and a variety of textures from one to four voices. Music Theory I may not be repeated more than once. (Fall, Spring)

MUCT 121-122. Aural Theory I and II **1,1 hours**

A laboratory for the development of keyboard and sight-singing skills related to the materials introduced in MUCT 111-112. Music majors must take this concurrently with MUCT 111-112. This is a computer assisted course. (Fall, Spring)

MUCT 211-212. Advanced Music Theory III and IV **3,3 hours**

Prerequisite: MUCT 111-112.

An expanded and intensified study of the structure of music as begun in MUCT 111-112. In MUCT 212, contemporary music is emphasized. (Fall, Spring)

MUCT 221-222. Advanced Aural Theory III and IV **1,1 hours**

Keyboard and sight-singing applications of materials studied in MUCT 211-212. Music majors must take this concurrently with MUCT 211-212. This is a computer assisted course. (Fall, Spring)

MUCT 313. Orchestration and Arranging **3 hours**

Prerequisite: MUCT 111-112.

The ranges, capabilities and limitations, and transpositions of orchestra and band instruments. Idiomatic scoring of short works for vocal and instrumental chamber groups, small orchestra, and band. Performance of exercises and analysis of scores is emphasized. (Spring)

MUCT 413. Analysis of Music Form **3 hours**

Prerequisite: MUCT 211-212 or permission of instructor.

An analytical study of musical structure from the smallest units of form to the more complex music of all historical periods. (Spring)

MUCT 295/495. Directed Study **1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the division chairman prior to registration. May be repeated up to a total of three hours. (Fall, Spring, Summer)

MUSIC HISTORY

MUHL 115. Listening to Music (D-3) 3 hours

A course designed to acquaint the student with the major composers, musical styles, and forms of Western music. Two listening periods per week are required. Does not apply toward a music major. (Fall)

MUHL 215. Music in the Christian Church (D-3) 2 hours

An historical and philosophical survey of music in the Christian Church with particular emphasis on hymnology. (Spring)

MUHL 314. History of Music to 1750 (D-3), (W) 4 hours

Prerequisite: MUHL 115, MUCT 111-112, or permission of instructor.

A study of music literature from antiquity to 1750 including cultural backgrounds, development of music form and style, and analysis of representative masterworks from each major period of music history. A unit of non-Western music is also included. Two listening periods per week are required. (Fall: even numbered years)

MUHL 315. History of Music, 1750 to Present (D-3), (W) 4 hours

Prerequisite: MUHL 115, MUCT 111-112 or permission of instructor.

A study of music literature from 1750 to the present, including cultural backgrounds, development of music form and style, and analysis of representative masterworks from each major period of music history. Two listening periods per week are required. (Spring: odd numbered years)

MUSIC EDUCATION

MUED 136. String Materials and Methods 2 hours

A study of the stringed instruments, including methods and materials for class and private instruction. Observation of classroom and private instruction is required. (Spring: even numbered years)

MUED 146. Brass Materials and Methods 2 hours

A study of tone production, performance techniques, embouchure, fingerings, practical pedagogic technique, and simple repairs. A survey of literature for the instruments and evaluation of teaching methods. Observation of classroom and private instruction is required. (Fall: even numbered years)

MUED 156. Woodwind Materials and Methods 2 hours

A study of tone production, embouchure, fingerings, practical pedagogic technique, and simple repairs. A survey of the literature for the instruments and evaluation of teaching methods. Observation of classroom and private instruction is required. (Spring: odd numbered years)

MUED 166. Percussion Materials and Methods 2 hours

A study of percussion instruments, including methods and materials for class and private instruction. Observation of classroom and private instruction is required. (Fall: odd numbered years)

MUED 231. Music Methods in the Elementary School 2 hours

Prerequisite: MUCT 100 (or permission of instructor) or MUHL 115.

A course designed to prepare teachers to direct the music activities in the elementary school. The content includes fundamentals, appreciation, singing, playing, and rhythmic activities. Observation and participation in the music program of the elementary school is required. Two hours lecture and one hour laboratory work per week. (Fall, Summer)

MUED 316. Piano Pedagogy 2 hours

Prerequisite: Two hours of MUPF 189 or equivalent.

Methods, materials, and procedures for private and class piano instruction; planning a complete program for pupils on various grade levels including technic, repertoire, and musicianship. Observation and teaching is required. (Fall: odd numbered years)

MUED 317. Voice Pedagogy 2 hours

Prerequisite: Two hours of MUPF 189 or equivalent and permission of instructor.

Methods, materials, and procedures for private and class voice instruction; testing and classification of voices; physiological and psychological problems of voice production and diction. Observation and teaching is required. (Spring: odd numbered years)

MUED 318. Organ Pedagogy 2 hours

Prerequisite: Two hours of MUPF 189 or equivalent.

Methods, materials, and procedures for instruction in organ; accompaniment of church services; registration of organ literature on various types of organs. Observation and teaching is required. (Fall: even numbered years)

MUED 439. Pre-Student Teaching Seminar 1 hour

Prerequisite: Admission to Teacher Education.

A seminar in which the student is oriented to student teaching, including curriculum, lesson planning, professional relationships, and other matters related to student teaching. (Spring)

APPLIED MUSIC**MUPF 108. Group Instruction (G-1) 1-2 hours**

Beginning voice and beginning piano only. A minimum of four hours of practice and/or listening outside of class is required. (Fall, Spring)

MUPF 129. Secondary (G-1) 1-2 hours

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum four hours practice per week are required for each hour of credit granted. (Fall, Spring, Summer)

MUPF 189. Concentration (G-1) 1-2 hours

Prerequisite: Performance examination for freshman standing.

Private instruction in voice, piano, organ, or orchestral instrument. One-half

hour lesson and a minimum four hours practice per week are required for each hour of credit granted. (Fall, Spring, Summer)

MUPF 279. Service Playing (G-1)

1 hour

Prerequisite: Two hours MUPF 189 (organ) or permission of instructor. The development of skills requisite to playing both liturgical and non-liturgical services, including hymn playing, choral and solo accompanying, conducting from the console, improvisation and modulation, and selection of appropriate preludes, offertories, and postludes. Performance experience required. (Fall, Spring)

MUPF 329. Secondary (G-1)

1-2 hours

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum four hours practice per week are required for each hour of credit granted. (Fall, Spring, Summer)

MUPF 389. Concentration (G-1)

1-2 hours

Prerequisite: Four hours MUPF 189.

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum four hours practice per week are required for each hour of credit granted. (Fall, Spring, Summer)

MUPF 477. Instrumental Conducting Techniques (G-1)

3 hours

Prerequisite: MUCT 112 or permission of instructor.

Basic conducting techniques including beat patterns, cues, and expressive gestures, and vocal problems. Experience in conducting choral ensembles is included. (Fall: odd numbered years)

MUPF 478. Choral Conducting Techniques (G-1)

3 hours

Prerequisite: MUCT 112 or permission of instructor.

Basic conducting techniques including beat patterns, cues, and expressive gestures, and vocal problems. Experience in conducting choral ensembles is included. (Spring: even numbered years)

Courses MUPF 108, 129, and 329 are open to any student of the College as elective credit toward the B.A. or B.S. degree. The music major or minor may not apply these toward his applied music concentration. Students desiring to study organ must pass the Functional Piano Examination.

Courses MUPF 189 and 389 are courses primarily for the music major and minor, but they may be elected by anyone who passes the examination for freshman standing. Jury examinations are required with these course numbers.

The following performance areas may be studied: voice, piano, classical guitar, folk guitar, organ, violin, viola, cello, double bass, flute, oboe, clarinet, saxophone, bassoon, trumpet, French horn, trombone, baritone tuba, and percussion instruments.

CHORAL ENSEMBLES

Choral ensembles are open to all college students through audition. Each ensemble meets three periods per week and offers one hour credit each semester. Regular attendance at performances and rehearsals, including dress rehearsals, is required.

Voice majors are required to sing in the Southern College Concert Choir or Chamber Singers for two years.

Ensembles for which academic credit is granted are organized and sponsored by the members of the music faculty.

MUPF 118/318. I Cantatrici Ladies' Chorus (G-1) 1 hour
A female-voice choir which performs music of all styles and style periods.

MUPF 148/348. Chamber Singers (G-1) 1 hour
A mixed-voice choir which performs choral music appropriate to the Chamber Choir.

MUPF 158/358. Die Meistersinger Male Chorus (G-1) 1 hour
A male-voice choir which performs music of all styles and style periods.

MUPF 168/368. Southern College Concert Choir (G-1) 1 hour
A mixed-voice choir which performs music of all style periods.

MUPF 188/388. Vocal Ensemble Experience (G-1) 1 hour
A course designed to provide credit for participants in major choral works, musical productions, and other department-sponsored vocal activities. This course does not fulfill the music ensemble requirement for music majors.
(Fall, Spring)

INSTRUMENTAL ENSEMBLES

Instrumental ensembles are open to all college students through audition. Each ensemble meets three periods per week and offers one hour credit each semester. Regular attendance at rehearsals is required.

Course numbers MUPF 178 and 378 do not fulfill the music ensemble participation requirement for music majors except those taking a keyboard concentration. Music majors other than those taking a keyboard concentration who wish Instrumental Ensemble Experience credit, must be registered concurrently in Concert Band or Symphony Orchestra.

Ensembles for which academic credit is granted are organized and sponsored by members of the music faculty.

MUPF 128, 328. Concert Band (G-1) 1 hour
(Fall, Spring)

MUPF 138, 338. Symphony Orchestra (G-1) 1 hour
(Fall, Spring)

MUPF 178, 378. Instrumental Ensemble Experience (G-1) 1 hour

A course designed to provide credit for chamber ensembles or, in the case of keyboard majors, significant accompanying experience. (Fall, Spring)

(D-3), (G-1), (W) See pages 14-16 for explanation of General Education requirements.

MUPF 129. Secondary (G-1)

MUPF 138, 338. Symphony Orchestra (G-1) 1 hour
(Fall, Spring)

MUPF 148, 348. Chamber Singers (G-1) 1 hour

A mixed-voice choir which performs chamber music appropriate to the Chamber Choir.

MUPF 158, 358. The Men's Glee Club (G-1) 1 hour
(Fall, Spring)

A male-voice choir which performs music of all styles and style periods.

MUPF 168, 368. (S) College Concert Choir (G-1) 1 hour
(Fall, Spring)

A mixed-voice choir which performs music of all style periods.

MUPF 188, 388. Vocal Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in vocal choir works, musical productions, and other department-sponsored vocal activities. This course does not fulfill the music ensemble requirement for music majors.

MUPF 198, 398. Instrumental Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in instrumental ensemble works, musical productions, and other department-sponsored instrumental activities. This course does not fulfill the music ensemble requirement for music majors.

MUPF 208, 408. Instrumental Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in instrumental ensemble works, musical productions, and other department-sponsored instrumental activities. This course does not fulfill the music ensemble requirement for music majors.

MUPF 218, 418. Instrumental Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in instrumental ensemble works, musical productions, and other department-sponsored instrumental activities. This course does not fulfill the music ensemble requirement for music majors.

MUPF 228, 428. Instrumental Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in instrumental ensemble works, musical productions, and other department-sponsored instrumental activities. This course does not fulfill the music ensemble requirement for music majors.

MUPF 238, 438. Instrumental Ensemble Experience (G-1) 1 hour
(Fall, Spring)

A course designed to provide credit for participation in instrumental ensemble works, musical productions, and other department-sponsored instrumental activities. This course does not fulfill the music ensemble requirement for music majors.

NURSING

Katie Lamb, M.S.N., Chairman

151**Collegedale**

Ruby Birch, M.S.N.
 Betty Garver, M.S.N.
 Dorothy Giacomozzi, M.S.
 Leona Gulley, M.H.Sc.
 Dorothy Hooper, M.S.
 Shirley Howard, M.S.N.
 Bonnie Hunt, M.S.N.
 Beth Jedamski, M.S.
 Catherine Knarr, M.S.N.
 Katie Lamb, M.S.N.
 Caroline McArthur, M.S.
 Laura Nyirady, M.S.N.
 Charlene Robertson, M.S.N.
 Elvie Swinson, M.S.

Orlando

Flora Flood, M.S.N.
 Marsha Rauch, M.S.N.
 Cheryl Thompson, M.S.N.
 Erma Webb, M.S.

PHILOSOPHY

God is the One in whom we live and move and have our being. In the beginning when God created man in His image it was His purpose that man should throughout his life ever more fully reveal the image of his Creator. But sin brought about in man feelings of distrust of his fellow-man and of God, and a great sense of personal insecurity. Sin also weakened his physical powers, lessened his psychosocial capacity, and dimmed his spiritual vision. Man then became subject to various health problems. Those health problems have created a need for intervention from the health-related professions.

Nursing as a health profession is a progressive science and art, utilizing knowledge from many physical and psychosocial disciplines in assisting individuals and groups to solve health problems. While nursing shares with other health care providers the goals of maintaining and promoting optimal health, it is unique in that it provides for the activities of daily living through its nurturing role and coordinates the health care according to observations of behavioral response of the patient/client. Nursing also includes preventive and creative roles in meeting the needs of the whole individual. The nurse can most effectively fill these roles through a consistent relationship with Christ which enables the nurse to assist others to live, move, and have being (Acts 17:28).

As the roles of the nurse have become more complex, the differentiation of responsibilities of nurses has created a need for nursing personnel with different levels of preparation. The implication for nursing education is that it must provide curricula to educate a clearly defined practitioner on each level of practice. To meet this need, students in the

articulated baccalaureate program receive an associate of science degree after the second year with the option to halt their education or continue upper division nursing. The person who exits at this level will primarily provide nurturing and coordinating aspects of nursing in a circumscribed setting. This nurse will apply the nursing process in assessing the level of wellness of the patient/client using predetermined criteria and techniques, will plan and implement predetermined interventions, and will function in predetermined leadership roles. These roles will include management of care for groups of patient/clients and direction of auxiliary personnel.

In a variety of settings the baccalaureate graduate will provide preventive, creative, coordinative, and collaborative aspects of nursing. The nurse practicing at this level will act as a change agent utilizing the research orientation to the nursing process which includes the systematic gathering of data, considering alternatives, implementing predetermined and/or creative interventions, evaluating outcomes, and assuming accountability for actions. On completion of the program the graduate will have competence in a variety of practice settings and beginning expertise in at least one area. The graduate will be equipped to move quickly into beginning leadership roles and will have the theory and practice base in behavioral and physical sciences for graduate study in nursing.

DESCRIPTION OF PROGRAM

The articulated program leads to a baccalaureate degree in nursing with the option to exit at the associate degree level. The holders of an associate degree from a state approved program in nursing may progress into upper division nursing. Licensed diploma graduates will be evaluated on an individual basis.

The curriculum in the lower division leads to an Associate of Science degree in nursing which may be completed in two academic years, plus summer courses. At this time the student is eligible to write state board examinations to become a registered nurse.

A well-equipped learning center and skills laboratory are provided to assist students in learning experiences.

ASSOCIATE AND BACCALAUREATE PROGRAMS

The curriculum in the upper division provides the student an in-depth study in clinical nursing in addition to prescribed courses. All students will be required to participate in validation procedures designed to evaluate and improve the individual student and the program of study.

A new class is accepted for lower division in the fall semester of each year with a limited size of 40 students due to available clinical facilities and teachers. The upper division class is not limited in size and a new class is admitted each semester.

CONSORTIUM BACCALAUREATE PROGRAM

The program enables registered nurses employed on a full-time basis at a member hospital to obtain a baccalaureate degree on a part-time basis. All upper division nursing classes are offered in the evening. One course is offered each fall and winter semester and one course during a summer session for a given group. This program is offered in Collegedale and Orlando.

Admission and progression criteria are the same as the campus-based baccalaureate program with the following exceptions:

1. Math requirement: Math requirement is waived for RN/BS students.
2. Residence requirements: The requirement that the last thirty (30) semester hours must be taken in residence has been adjusted to allow the consortium students to take general education courses, with the exception of Christian Ethics, at another college concurrently with clinical nursing courses.
3. Transfer work: Seventy-four (74) semester hours from a junior college is allowed which will include 68 hours for the equivalent of an Associate Degree plus six semester hours of Biochemistry.
4. Religion: Three hours are permitted to be taken at a local college or university. Three hours Christian Ethics must be taken at Southern College.
5. Writing courses: Only two writing emphasis courses rather than three will be required.

POLICIES

Students who are admitted to Nursing are considered adequately mature to realize the importance of accepting personal responsibility for their learning and professional behavior.

The Division of Nursing Student Handbook contains the policies of the department. Each student contracts to abide by the regulations as outlined. The faculty reserves the right to withdraw or revise policies as deemed necessary. The Collegedale- and Orlando-based programs are governed by the same policies.

Transportation for clinical appointments is not provided for the students enrolled in upper division nursing courses. Students will be expected to provide their own transportation or make arrangements to share this expense with fellow students in the same course.

Because regular tuition charges and fees cannot cover the total cost of nursing education, an additional fee is charged as a "Nursing Education Fee" each semester to help offset the cost (see bulletin section Admissions, Expenses and Financial Aid).

The Tennessee State Board of Nursing and other State Boards reserve

the right to deny licensure in their states if the applicant has an unresolved felony on record in any state.

The Nursing Department reserves the right to revise, add, or withdraw courses as necessary to ensure a quality nursing program.

ACCREDITATION

The program in nursing is fully accredited by the Board of Review for Baccalaureate and Higher Degree Programs and Associate of Science Degree Programs of the National League for Nursing. It is accredited by the National League for Nursing to admit registered nurse students to the curriculum. It is recognized by the Board of Regents of the Department of Education of the General Conference of Seventh-day Adventists, and it is approved by the Tennessee Board of Nursing.

BACHELOR OF SCIENCE DEGREE IN NURSING

Major: Thirty-seven hours for the Bachelor of Science degree after completion of the Associate of Science degree at Southern College or the equivalent* including NRSG 324, 325, 327, 335, 387, 389, 394, 425, 484, 485. Required cognates: RELT 373, CHEM 111, 203, and three hours upper-division Behavioral Science. MATH 215 Statistics is a required course but is not considered a cognate. General education requirements include an additional three hours Area B, three hours Area C or D, and three hours Area D to make a total of 131 semester hours of which 40 hours are upper division.

*Graduates of a state approved associate degree nursing program will be considered to have met the general education requirements for the first two years of the program. If an Area C-1 course was not included in the associate degree program, however, it must be taken in fulfillment of the Bachelor of Science degree general education requirements of "3 hours Area C or D." A maximum of 72 semester hours will be accepted from a junior college.

ASSOCIATE OF SCIENCE DEGREE IN NURSING

Major: Thirty-five hours for the Associate of Science degree including NRSG 105, 116, 117, 215, 216, 217, 218, 223. Required cognates: BIOL 105, 106, 125, PSYC 128, SOCI 125, FDNT 125. General education courses for Areas A, B, C, E, and F are the same as for the other disciplines of the College. Students are exempt from general education courses for Areas D and G. A total of 69 semester hours is required for the Associate of Science degree.

LOWER DIVISION ADMISSION AND PROGRESSION REQUIREMENTS

Minimum requirements for admission to the clinical area of the Department of Nursing are listed below. The final decision on acceptance and continuation in nursing is made by the Department of Nursing.

Declaration as a nursing major is not the equivalent of acceptance to the Department of Nursing.

1. Acceptance to Southern College and hold a diploma from a four-year accredited high school or the equivalent.
2. High school grade point average of 2.50* minimum on solids (math, science, English, history, foreign language).
3. A grade of "C" or better in each semester of high school chemistry. A student who does not meet the high school chemistry requirement may remove this deficiency by taking CHEM 111 and earning a "C" or better.
4. Minimum ACT standard score of 17 in English and composite.
5. A student who does not meet the high school grade point average or ACT requirements may take a minimum of twelve semester college hours in required courses leading to nursing, with a current and cumulative grade point average of at least 2.50* before being considered for clinical nursing courses.
6. No more than two courses may be repeated. Only one may be a nursing course.
7. A grade of at least C (2.00) is required in each nursing course for progression and/or graduation. A grade of at least "C-" is required in each nursing cognate with a minimum cumulative grade point average of at least 2.25* in the cognates for admission and progression in nursing. (Cognate courses are Anatomy and Physiology, Nutrition, Developmental Psychology, Microbiology, and Sociology).
8. A cumulative grade point average of at least 2.25 is required both in nursing and in the cognates for graduation.
9. Students with previous college work must have a minimum current and cumulative grade point average of 2.50* before being considered for clinical nursing courses.
10. Students whose native language is other than English must achieve at least 90 on the Michigan English Proficiency Test or its equivalent.
11. Achieve a score of 20th percentile on the Nelson-Denny reading test prior to admission. If the score falls between the 20-34th percentile level, the student will be admitted on probation.
12. Students are required to demonstrate satisfactory performance on standardized tests. Remedial work and/or delay in progression in the program will be required if performance level is not achieved. Failure to achieve the required score on the comprehensive examinations (see Nsg 223, Nsg-Seminar) will result in delay in graduation and requires the successful completion of NRSG 050.
13. Following application to the Nursing Admissions Committee, transfer students from another major or another college will be evaluated individually and accepted on a space available basis.

14. Any cognate course taken off campus during the time the student is enrolled at Southern College (school year or summer) must be approved by the Nursing Progressions Committee.
15. The applicant must show evidence of physical, mental, and moral fitness. Further references or information may be required regarding character, attitude, or coping ability in case of a question in these areas.
16. A licensed practical nurse (LPN) may be granted 5 hours of advance placement after successful completion of the course Associate Nursing Perspectives, NRSG 103, and an evaluation which includes both clinical and theory common to Basic Nursing I, NRSG 105. The LPN must hold a valid license from the state in which he/she is enrolled in classes.

The following should be sent to the Director of Admissions by March 1 for the fall class and by October 15 for the winter class: (1) application to the College, (2) application to the Division of Nursing, (3) transcripts, (4) ACT scores. Students who for various reasons are not able to complete a semester or do not progress with their class, cannot be assured placement in their choice of subsequent class.

* On a 4.00 scale

CURRICULUM (First and Second Year)

Completion of these requirements leads to an Associate of Science degree and eligibility to sit for state board examinations.

Number of Hours Required:

Nursing 35

Behavioral Science 6

Natural Science 13

General Education 15

A year-by-year outline for the associate degree is listed on page 277.

NRSG 050. Nursing N-CLEX Review (non-credit)

3 hours

This course is designed to review and consolidate theoretical components of the first two years of the nursing program. The content focuses upon medical-surgical, obstetrical, mental health, and the nursing of children. The student is expected to perform satisfactorily on a comprehensive examination. Failure to meet this requirement results in termination from the nursing program.

NRSG 103. Associate Nurse Perspectives

1 hour

This course is designed to supplement and prepare the Licensed Practical Nurse for advanced placement and career mobility. It will provide an understanding of the associate nurse role, familiarize the student with philosophy of spiritual care and give an orientation to the program and its philosophy and conceptual framework.

NRSG 105. Basic Nursing I: Foundations**5 hours**

Prerequisite: Chemistry (high school or equivalent).

Co-requisites: FDNT 125, BIOL 102

This course is an introduction to the physical, psychosocial, and spiritual aspects of health care. The student develops an understanding of the roles of the nurse, utilizes the nursing process, and acquires basic nursing skills common to all areas of nursing with an emphasis on gerontology (three hours theory, two hours clinical). (Fall)

NRSG 116. Basic Nursing II: Medical-Surgical**5 hours**

Prerequisite: BIOL 101, FDNT 125, NRSG 105.

Must meet college math requirements.

This course provides students with the theory and practice of nursing in dealing with selected basic needs of adults at various points on the wellness-illness continuum. This includes focusing on those with selected medical-surgical problems. The nursing process is utilized to promote physical, psychosocial, and spiritual health, intervene in illness, and assist in rehabilitation (two and three-fourths hours theory, two and one-fourth hours clinical). (Spring)

NRSG 117. Basic Nursing II: The Childbearing Family**5 hours**

Prerequisite: BIOL 101, FDNT 125, NRSG 105.

Must meet college math requirements.

This course provides nursing students with theory and practice in the care of childbearing families. This includes promoting physical, psychosocial, and spiritual health of expectant mothers and their infants before, during, and immediately following delivery, utilizing the nursing process (three hours theory, two hours clinical). (Spring)

NRSG 215. Basic Nursing III: Parent-Child**4 hours**

Prerequisite: PSYC 128; NRSG 116, 117; BIOL 102.

Co-requisite: BIOL 125.

This course provides nursing students with the theory and practice of family-centered care of children at different points on the wellness-illness continuum (two and three-fourths hours theory, one and one-fourth hours clinical). (Fall)

NRSG 216. Basic Nursing III: Medical-Surgical**4 hours**

Prerequisite: NRSG 116, 117; BIOL 102, PSYC 128.

Co-requisite: BIOL 125.

This course provides students with the theory and practice of nursing in continuing to deal with selected basic needs of adults at different points on the wellness-illness continuum. This includes focusing on nursing process as applied to individuals who are experiencing select medical/surgical interferences; promoting physical, psychosocial, and spiritual health; intervening in illness; and assisting in rehabilitation. (Two and one-fourth hours theory, one and three-fourths hours clinical). (Fall)

NRSG 217. Basic Nursing III: Mental-Health**4 hours**

Prerequisites: NRSG 116, 117; BIOL 102, PSYC 128.

Co-requisite: BIOL 125.

This course provides students with the opportunity to utilize the nursing process in intervening with clients throughout the life span with emphasis on specific psychosocial needs at different points on the wellness-illness continuum (Two and one-half hours theory, one and one-half hour clinical). (Summer)

NRSG 218. Basic Nursing IV: Medical-Surgical

7 hours

Prerequisite: BIOL 125, NRSG 215, 216, 217.

This course provides students with the theory and practice of utilizing the nursing process in dealing with complex needs related to psychosocial, physical, and spiritual aspects of individuals who have medical-surgical interferences. The impact of historical events and current trends upon the future of nursing is considered as well as the problems and responsibilities of the registered nurse. The student is introduced to leadership concepts (three hours theory, four hours clinical). (Spring)

NRSG 223. Nursing Seminar

1 hour

This course is designed to aid the student in validating and consolidating previous learning experiences. The seminar will include intensive review of all areas of nursing. A series of comprehensive examinations will be given at the culmination of the seminar. The student must perform at a pre-specified level on each area of the comprehensive examination. If a student fails to achieve this level, a grade of "I" or incomplete will be given for the course. Removal of this "I" will necessitate the student's successful completion of the non-credit course NRSG 050. (Spring)

UPPER DIVISION ADMISSION AND PROGRESSION REQUIREMENTS

Admissions:

Minimum requirements for admission to upper division nursing are listed below. The final decision on acceptance and continuation in nursing is made by the Division of Nursing. Declaration as a nursing major is not the equivalent of acceptance to the Division of Nursing.

1. Acceptance to Southern College.
2. Minimum grade point average of 2.25 for lower division courses in nursing.
3. Minimum cumulative grade point average of 2.25 with no grade below "C-" for lower division cognate courses.
4. Students whose native language is other than English must pass an English proficiency test. If the student fails the English proficiency test, he must take remedial work in written and spoken English and repeat the proficiency test with a passing grade before entering nursing.
5. Students are required to demonstrate satisfactory performance on standardized tests. Remedial work will be required if performance level is not achieved.
6. Following application to the Nursing Admissions Committee,

transfer students from another major or another college will be evaluated individually and assisted in fitting into the program.

7. Any cognate course taken off campus during the time the student is enrolled at Southern College (school year or summer) must be approved by the Nursing Progression Committee.
8. The applicant must show evidence of moral, physical, social, and intellectual maturity. Further references or information may be required regarding character, attitude, or coping ability in case of a question in these areas.
9. Students will maintain a current CPR certificate throughout their upper division program.
10. Eligibility for Licensure:

Applicants to be considered for admission to junior standing in nursing must either have a current license to practice as a registered nurse in the U.S. or, if a new graduate or foreign student, must be eligible to sit for state boards. A student must pass state board examinations before registering for senior clinical nursing courses.

11. Experience:

A. Student who has graduated within five years prior to application.

1. Satisfactory clinical performance and character references are required from basic nursing program.
2. Satisfactory work performance and character references are required from employer(s). Students who have graduated within the previous twelve months will be exempt from the work requirement.

B. Student who has graduated more than five years prior to application.

1. Minimum of one year satisfactory work experience in nursing for each five years since graduation and one year must be in the last five years.
2. Satisfactory work performance and character references are required from employer(s).

12. Nursing Credit:

A. Associate Degree Graduate.

Graduates of a state approved associate degree nursing program will have met nursing requirements for the first two years of the program. If the cumulative nursing GPA is below 2.25, an applicant will be accepted on probation.

B. Diploma Graduate.

Graduates of a state approved diploma program will be evaluated in both theory and skills on an individual basis. A maximum of thirty-five semester hours of nursing credit may be

given which is equal to the requirements of the first two years of nursing at Southern College.

13. General Education and Cognates:

A. Associate Degree.

Graduates of a state approved associate degree program will be considered to have met general education requirements for the first two years of the program, including history and mathematics requirements. (If an Area C-1 course was not included in the associate degree program, it must be taken in fulfillment of the Bachelor of Science degree general education requirements of "3 hours Area C or D.") If the cumulative cognate GPA is below 2.25, an applicant will be accepted on probation.

B. Diploma Graduate.

1. Credit is acceptable for courses comparable to those required at Southern College if received from an accredited senior or junior college or by examination according to the policy stated in the bulletin.

2. All cognates for the first two years must be completed before entering junior nursing courses. General education requirements may be taken concurrently.

C. CHEM 111 must be completed before entering junior level nursing courses.

14. Progression:

A. No more than two courses may be repeated. Only one may be a nursing course.

B. A grade of at least C (2.00) is required in each nursing course for progression and graduation. A grade of at least "C-" is required in each nursing cognate with a minimum cumulative grade point average of at least 2.25* in the cognates for admission, progression, and graduation in nursing. (Cognate courses are CHEM 111 and 203, Selected Concepts in Biochemistry; RELT 373, Christian Ethics.)

C. Students are required to demonstrate satisfactory performance on standardized and validating tests. Remedial work will be required if performance level is not achieved.

*On 4.00 scale.

CURRICULUM (Third and Fourth Years)

Students must take a total of 131 hours required for graduation including 40 hours upper division.

Number of hours required after completion of the associate degree in nursing:

Nursing 37
Behavioral Science 3
Mathematics 3

Natural Sciences 7
*General Education 12

*One of the general education courses must be a writing course.

A year-by-year outline for the major offered is listed on page 277.

NRSG 324. Professional Nursing Perspectives 1 hour

A course designed to assist the registered nurse student in the transition of learning from an associate degree or diploma program to the baccalaureate approach to nursing. Study will be focused upon the Department of Nursing's philosophy and conceptual framework, nursing theories and models, professional nursing, and related concepts. Students will be evaluated in both theory and skills to identify strengths and weaknesses. (One hour theory). (Fall, Spring)

NRSG 325. Advanced and Pathologic Principles of Human Physiology 4 hours

Prerequisite: CHEM 203.

This course assists the student to integrate principles of physiology with clinical practice, to correlate physical manifestations with pathologic interferences, and to move toward more independent predictive care of patient/client. (Four hours theory). (Arranged as needed for Consortium students). (Spring)

NRSG 327. Nursing Assessment 4 hours

Co-requisite: NRSG 324.

This course provides opportunities for creativity in the utilization of the expanding role of the clinical practitioner and enables the student to develop advanced skills in utilizing the nursing process through history taking, physical examination, health planning, and counseling of the patient/client. (Three hours theory, one hour clinical). (Arranged as needed for Consortium students). (Fall, Spring)

NRSG 335. Community Health Nursing 6 hours

Prerequisite: NRSG 327; MATH 215 (desirable).

A course which includes concepts and practice of the nursing process with emphasis on moving individuals, families, and communities toward their optimal level of functioning on the wellness-illness continuum. This course combines community and mental health concepts (three hours theory, three hours clinical). (Fall, Spring)

NRSG 346. Community Health Nursing 3 hours

Prerequisite: NRSG 327; MATH 215 (desirable).

A course which includes concepts of community health, with emphasis on community assessment and working with groups. (two hours theory, one hour clinical). (Arranged as needed for Consortium students).

NRSG 347. Community Health Nursing 3 hours

Prerequisite: NRSG 327, 346; MATH 215 (desirable).

A course which includes concepts and practice of the nursing process with emphasis on moving individuals, families and communities toward their optimal levels of functioning on the wellness-illness continuum. This course combines community and mental health concepts (one hour theory, two hours clinical). (Arranged as needed for Consortium students).

NRSG 387. Home Health/Gerontology 3 hours

Prerequisite: NRSG 327; NRSG 335 or NRSG 346/347.

A course providing the registered nurse student with theories and practice of caring for the client (ages cover the life span) requiring skilled nursing care in the home. Content will also include in-depth study of the active and non-active older adult. (Two hours theory, one hour clinical). (Beginning Summer 1988).

NRSG 389. Pharmacology 2 hours

Prerequisite: CHEM 111 and CHEM 203.

Study of pharmacologic concepts. Focus will include major classifications, pharmacokinetics, drug interactions, and nursing consideration. (Two hours theory). (Beginning Summer 1988).

NRSG 394. Nursing Research Methods (W) 3 hours

Prerequisite: MATH 215.

Scientific methods of inquiry are applied to nursing problems including framework for practice, principles of data treatment, and analysis. The student plans a research proposal. The course is designed to give the student the concepts, methods, and tools for intelligent participation in and application of research and evaluation. (Three hours theory). (Fall; Arranged as needed for Consortium students).

NRSG 425. Advanced Nursing Concepts 4 hours

Prerequisites: All junior level nursing courses and cognates.

This course teaches the process of conceptualization. It provides part of the theory base for the advanced nursing practice courses and explores in-depth concepts. Current issues facing the professional baccalaureate nurse are explored. Each student is required to develop and present concepts in order to gain experience in applying and integrating his knowledge and demonstrate his understanding. Students are expected and encouraged to make clinical and scholastic application of course content in their nursing practice. (Four hours theory). (Fall, Spring; Arranged as needed for Consortium students).

NRSG 484. Advanced Nursing Practice I (Primary Care with Research Component) (W) 6 hours

Pre- or co-requisite: NRSG 425.

This course provides opportunity for the student to select an area of specialized interest in which to develop a broader scope of clinical competence. The choices of clinical areas may be limited due to the number of students in the semester. Content will focus on updating major theoretical areas and clinical skills. The scientific method of inquiry will be utilized in conducting a research project (two hours theory, four hours clinical). (Fall, Spring; Arranged as needed for Consortium students).

NRSRG 485. Advanced Nursing Practice II (Management) 4 hours

Pre- or co-requisite: NRSRG 425, 484.

This course provides the opportunity for the student to use independent judgment in developing clinical competence and management skills. This goal will be accomplished primarily through the leadership modes of research, management and administrative experiences in selected clinical areas. (Two hours theory, two hours clinical). (Fall, Spring; Arranged as needed for Consortium students).

NRSRG 295/495. Directed Study 1-3 hours

Prerequisite: Approval of department chairman.

Individual study in an area of choice shall be worked out with the department prior to registration. Either upper or lower division credit may be earned. The area of directed study will appear on the transcript. No more than six hours directed study may be applied toward a degree.

(W) See pages 14-16 for explanation of General Education requirements.

THE ORLANDO CENTER

General Information

Southern College of Seventh-day Adventists offers at its Orlando Center an alternative to its main campus nursing program. It is administered by an associate director for the Nursing Department. The program at the Orlando Center is dedicated to the same Seventh-day Adventist ideals and philosophies that guide the main campus. Like the main campus, the Orlando Center employs professionally educated, high quality staff members. Only nursing and general education classes are offered that are required for the Bachelor of Science in Nursing degree. This part-time program is primarily for employees of Florida Hospital Medical Center who want to upgrade their degree. The National League for Nursing accreditation status of the main campus applies fully to the Orlando Center. The center has approval from the Florida State Board of Nursing and the Florida State Board of Independent Colleges.

BACHELOR OF SCIENCE PROGRAM

For information about this part-time program, contact the Associate Director of the Nursing Department, 711 Lake Estelle Drive, Orlando, Florida 32803.

ASSOCIATE OF SCIENCE DEGREE IN NURSING

During the 1987-88 school year, the last two semesters of the Associate of Science Degree program will be taught at the Orlando Center. There will not be a new class for the Associate of Science degree accepted on this campus for the academic year 1987-88.

PHYSICS

Ray Hefferlin, Ph.D., Chairman
Henry Kuhlman, Ph.D.

Physics bridges the gap between mathematics and logic on one hand, where absolute certainty can be obtained about abstract ideas, and most of human thinking on the other hand, where only tenuous knowledge exists about the solutions to very real and pressing problems. Physics attempts to obtain progressively more precise solutions to clearly defined problems more and more representative of the real world. This attempt includes modeling, simulation, and control using numerical, analytical, analog, and experimental methods. It not only presents the possibility of a challenging career but also contributes heavily to the life-experience of non-technical people.

The staff is concerned with the preparation of technically-minded students for challenging careers in pure Physics or in Physics applied to other fields. It also attempts to demonstrate to non-technical students the value of using Physics in their areas of interest. It is committed to exploring with all students the areas where Physics touches on religious and ethical values. Throughout, it makes extensive use of the excellent digital computer facilities at Southern College.

BACHELOR OF ARTS DEGREE IN PHYSICS

Major: Thirty hours including PHYS 213-214, 310, 317, 318, 480, and CPTR 125, 131, or 218.

BACHELOR OF SCIENCE DEGREE IN PHYSICS

Major: Forty hours including CPTR 125, 131, or 218, and PHYS 480.

Minor: Eighteen hours including PHYS 213-214 and six hours upper division. CPTR 125, 131, or 218 may be included.

Teaching Endorsement: The student must earn a major in the first teaching field. He may add the following endorsements by meeting the number of hours indicated below.

Physics

PHYS 211-212	General Physics	6	hours
	Physics electives	8	hours
PHYS 213-214	General Physics Laboratory	2	hours
	TOTAL	16	hours

General Science

BIOL 151-152	General Biology	8	hours
	Chemistry and Physics electives	8	hours
	TOTAL	16	hours

The student must apply to the Department of Education for admission to the Teacher Education Program and the professional semester before the end of the sophomore and junior years, respectively. Please see the note on page 89 between EDUC 134 and 217.

Year-by-year outlines for each major offered are listed on page 278.

PHYS 107. Introduction to Physics (E-3) 3 hours

A general education course stressing the methods of physics, the application of physics and laboratory work which can be done with simple materials. Laboratories include the use of calculators and the computer to do arithmetic, the estimation of numerical quantities and errors, and the construction of apparatus with which to make observations. Does not apply on major or minor in physics. Two hours lecture, three hours laboratory each week. (Spring)

PHYS 155. Descriptive Astronomy: Creation vs. Evolution (E-3) 3 hours

Constellations and eclipses, astronomical instruments, time and the date line and calendars, astronomical objects with their motions and distances, energy processes in stars and quasars and pulsars, black holes, the infinity (?) and expansion (?) of the universe. Cosmology, the formation and subsequent histories of the solar system and the earth, radioactive and radiocarbon age dating. Life on other worlds. Astronomy and the Bible. This course, dealing as it does with the physical aspects of the history of the earth and universe, complements BIOL 425, which deals with the biological aspects. Three hours lecture each week, with the occasional substitution of an observation period. (Spring)

PHYS 211-212. General Physics (E-3) 3,3 hours

Prerequisite: MATH 114.

The algebraic and trigonometric treatment of mechanics, heat, sound, light, electricity and magnetism, and "modern physics." Applies on the basic science requirement as a non-laboratory science if taken alone and as a laboratory science if taken with PHYS 213-214. (Fall, Spring)

PHYS 213-214. General Physics Laboratory (E-3) 1,1 hours

Prerequisite: Previous or concurrent enrollment in PHYS 211-212.

Laboratory experience designed to illustrate the material in lectures, to familiarize the student with useful measuring apparatus, and to encourage a systematic development of scientific curiosity, caution, and method. (Fall, Spring)

PHYS 310. Modern Physics 3 hours

Prerequisite: PHYS 211-212; MATH 115.

Continuation and conclusion of PHYS 211-212. Relativity, atomic structure, nuclear properties and radiations, and wave mechanical calculations in one dimension, and other areas of 20th century physics. Three hours lecture each week. Laboratory experience is available in PHYS 495. (Fall)

PHYS 311-312. General Physics Calculus Applications 1,1 hours

Prerequisites: MATH 115 and previous or concurrent enrollment in PHYS 211-212.

Derivations and problems in General Physics using differential and integral calculus will be studied. Students completing PHYS 211-212 and PHYS 311-312 will have taken the equivalent of General Physics with calculus. One class period per week. (Spring)

PHYS 313. Physical Optics 3 hours

Prerequisites: PHYS 211-212; MATH 115.

Refraction, reflection, interference, and absorption of light are discussed from the standpoint of the ray and especially of the wave theories of light. Laboratory experience is available in PHYS 495. (Spring)

PHYS 314. Thermodynamics 3 hours

Prerequisites: PHYS 211-212; MATH 115.

A systematic introduction to thermodynamics, kinetic theory, and statistical mechanics of solids, liquids, and gases.

PHYS 315. Quantum Mechanics 3 hours

Prerequisites: PHYS 211-212; MATH 115.

Schroedinger's equation as an operator form of the energy equation. Boundary-matching solutions for square wells and barriers. Separation-of-variables method for the hydrogen atom. Electron spin and the Pauli requirement for antisymmetric wave functions, with applications to states of light atoms. Variation techniques for small atoms and molecules, Hueckel and LCAO methods, or other apparatus not including perturbation theory.

PHYS 317. Issues in Physical Science and Religion I (E-3) 3 hours

Prerequisite: One year of high school physics or chemistry or one semester of college physics or chemistry.

The extent to which mathematics and the physical sciences are true because they conform to the real world, or because they are derived from axioms, or both. Non-logical factors in the acceptance of scientific statements as authoritative.

PHYS 318. Issues in Physical Science and Religion II (E-3) 3 hours

Prerequisites: One year of high school physics or chemistry or one semester of college physics or chemistry.

The argument for the existence of God from design. The relationship of design to comprehensibility and to causality. Causality in the everyday world and on the subatomic scale. Miracles as associated with awe or with the unknown (by determinists), or with boundary conditions (as in solving problems mathematically), or with God's continual upholding of natural process.

PHYS 410. Analytic Mechanics 3 hours

Prerequisites: PHYS 310; MATH 315 (MATH 218, 316, 317, and 319 desirable).

The motion of a particle in gravitational and other classical fields is attacked using the techniques of differential equations. The behavior of systems of

particles, solids, and liquids is discussed. Special functions, vector theorems, transforms, and tensors are introduced as needed. (Spring)

PHYS 411-412. Electricity and Magnetism 3,3 hours

Prerequisites: PHYS 310; MATH 315 (MATH 218, 316, 317, and 319 desirable).

Analysis of electrical circuits. Electrostatic and magnetostatic fields, and the motion of charges therein. Maxwell's equations and the consequent prediction of electromagnetic waves. Applications to modern atomic and nuclear theory are stressed. Complex mapping, vector theorems, transforms, and special functions may be used after being introduced or reviewed. Laboratory experience is available in PHYS 495. (Fall, Spring)

PHYS 418, 419. Advanced Modern Physics 3,3 hours

Prerequisites: PHYS 310, 410, and 411-412; MATH 316 and 317 (previously or concurrently; MATH 319 desirable). In the event that the student fails to meet these prerequisites, permission of instructor must be obtained.

An advanced treatment of atomic and nuclear physics, elementary particles, wave mechanics, relativity, and other topics on the frontiers of physics. Research experience is available in PHYS 497. (Fall, Spring)

PHYS 480. Scientific Writing (W) 1 hour

Principles and techniques of writing for news releases, periodicals, and research journals. The student must have done some original research of an experimental, computational, or theorem-proving nature before enrolling in this course. PHYS 297/497 exists to fulfill this requirement.

PHYS 295/495. Directed Study 1-3 hours

Prerequisite: Consent of instructor.

This course consists of individual or group work adjusted to meet particular needs in Physics. Approval must be secured from the instructor prior to registration. (Fall, Spring)

PHYS 297/497. Undergraduate Research in Physics 1-2 hours

Prerequisite: Permission of instructor.

Research under direction of a member of the staff. The topic will be assigned in accordance to the interests and capabilities of the student. May be repeated for up to four hours. (Fall, Spring)

EARTH SCIENCE

ERSC 105. Earth Science (E-4) 3 hours

A non-mathematical and qualitative introduction, for non-science majors, to the areas of astronomy, geology, and meteorology. Special consideration is given to the following current issues: (1) the environment—conservation and pollution of natural resources; (2) space science—exploration and uses; (3) cosmology—special creation and evolution. (Fall)

ERSC 106. Earth Science Laboratory (E-4) 1 hour

Prerequisite: Previous or concurrent enrollment in ERSC 105.

Laboratory to accompany ERSC 105. (Fall)

EDUCATION

EDUC 438. Methods of Teaching Mathematics and Physics 2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the semester. (Spring)

(E-4), (W) See pages 14-16 for explanation of General Education requirements.

RELIGION

Douglas Bennett, Ph.D.

Jack J. Blanco, Th.D.

Jerry A. Gladson, Ph.D.

Norman R. Gulley, Ph.D.

Gordon M. Hyde, Ph.D., *Chairman*

Ronald M. Springett, Ph.D.

The Department of Religion makes two major contributions to the Christian knowledge and experience which characterize Southern College of Seventh-day Adventists. It provides the religion courses which meet the general education requirements in religion for all students. It also directs and instructs religion majors who are preparing for the ministry, for secondary Bible teaching, for chaplaincies, and other professions.

The Religion Major, providing a balanced selection of Biblical Studies and Theology courses, is open to all degree candidates. Since it builds upon the twelve hours of General Education requirements in religion, it is frequently chosen by students preparing for such professional fields as medicine, dentistry, and law, involving a wide range of requisite courses in their preparation for advanced study.

The Ministerial Training Program, fostered by the Department of Religion, is integrated with that of the Seventh-day Adventist Theological Seminary at Andrews University, Berrien Springs, Michigan.

The Ministerial Track—Seminary, outlined below, meets Seminary entrance requirements for the Master of Divinity degree which is the standard program of ministerial training prescribed by the North American Division of Seventh-day Adventists.

The Ministerial Track—Non-Seminary, provides preparation for those who, under special circumstances, may be called into the ministry without attending the Seminary.

The Teacher Education Track is coordinated with the program of the Department of Education of the college. Planning toward certification for Bible teaching is made with the certifying officer of the Education Department to ensure that all requirements are met, both for admission to the Teacher Education program in the sophomore year and to the professional semester before the senior year. (Detailed instruction is to be found in the Education section of this catalog, and by inquiry of the secretary of the Department in Summerour Hall.)

General Education Courses in Religion

In selecting the twelve semester hours of religion courses required of the four-year graduate, the student has considerable latitude. The Religion Department recommends that students take at least three semester hours at the upper division level.

The objective in all religion courses is to enhance knowledge of and appreciation for the Scriptures, and to assist the student in gaining and maintaining a vital involvement with Jesus Christ, and a personal commitment to serve family, community, and the world.

Advancement to Ministerial Candidacy

Students seeking preparation for the Christian ministry make formal application to enter the same in the first semester of the sophomore year. (Upper class transfer students apply during the first semester in residence at Southern College of Seventh-day Adventists.) A program of leadership potential assessment precedes individual advancement to ministerial candidacy. Various assessment profiles are administered early in the academic year. An accumulating file assists the student and faculty adviser in an ongoing program of evaluation and counselling during the period of training. Each student has an adviser who works with him throughout his college experience.

As part of their preparation for ministry, candidates are required to attend professional chapels for the information and inspiration provided. If at any time after being admitted to the ministerial program, candidates give evidence of failing to maintain commitment to the criteria or preparation for ministry, they may forfeit the department's recommendation to the ministry.

Graduation Requirements

Any candidate for graduation from the Department of Religion must have a cumulative GPA of 2.25 in the major, demonstrate competence in English communication skills, and give evidence of moral, physical, social, and intellectual fitness, emotional maturity, and professional commitment. Only those who complete the ministerial requirements, meeting the above criteria, will be recommended by the department as prospective ministerial employees.

Seminary Entrance Requirements

Graduates applying to enter the Seminary will need to show a GPA of 2.50 overall. Seminary admission requirements are on file with the Department of Religion and are available on request.

BACHELOR OF ARTS DEGREE IN RELIGION

Major: Thirty hours to include RELB 125, 345, 346, 425, 426, 435, 436; RELT 138, 484, 485. Additional requirements for the Ministerial Tracks and Teacher Education Track are as follows:

Ministerial Track — Seminary: A Biblical Languages minor and the following cognate courses: HIST 364, 365; RELP 321, 322.

Ministerial Track — Non-Seminary: A Practical Theology minor and the following cognate courses: HIST 364, 365; SPCH 135; RELL 271-272.

Teacher Education Track: Professional and general education courses as outlined in the Educational section of the catalog and a minor of the student's choice. EDUC 438, Special Methods of Teaching Bible, must be included.

The Division of Religion strongly recommends that ministerial students choose the seminary track. The division further recommends that they broaden their professional training by selecting from the following courses to fulfill general education requirements: PSYC 128 (F-1); BUAD 128 (F-2); SOCI 223 (F-2); CPTR 105, 106, 107, 120, 127 (G-2); and from the following as electives: ACCT 103; BUAD 334, 344; TECH 164.

Directed field education provided by the Department of Religion is required of ministerial students. Participation in these experiences, which are designed to enhance professional development, is necessary in order for the student to be granted a ministerial recommendation by the division. The division will keep majors informed of the requirements to be met.

Evangelism field schools may be conducted under the auspices of the division and offer up to five hours of academic credit. Additional programs for individual students and student teams may be available by approval of the division to accommodate requests from the conferences of the Southern Union. Satisfactory prior arrangements must be made with the Department of Religion.

Details concerning the field school and associated programs are available through the Department of Religion.

Minor—Religion. Eighteen hours including six upper division hours and RELT 234, 255. No more than one course may be selected from the following: RELT 317, 318, 325.

Minor—Biblical Languages. Eighteen hours including RELL 271-272; 311-312; 471-472.

Minor—Practical Theology. Eighteen hours including RELT 236; RELP 321-322; 351-352; 455; SPCH 136, EDUC 134.

Minor—Denominational Teaching Endorsement: The student must earn a major in the first teaching field. He may add denominational certification in Religion by taking the following minor: RELB 125; RELT 138, 236, 255, and 3 hours selected from each of RELB, RELT courses.

Tennessee State Certification

Students seeking Tennessee State Certification only must take 12 hours selected from the following: RELB 125, 345, 346, 425, 426, 435, 436, and RELT 368. Note that RELT 236 will not be accepted by the state for certification and RELT 368 will not be accepted by the denomination.

Students who wish to obtain teacher certification must apply to the Department of Education before the end of their sophomore year to be

admitted to the teacher education program and before the end of their junior year to be admitted to the professional education semester.

Year-by-year outlines for each major offered are listed on page 279.

BIBLICAL STUDIES

RELB 125. Life and Teachings of Jesus (B-1) 3 hours

A study of the life, ministry, and teachings of Jesus with special emphasis upon His teachings as they apply to the personal, social, and religious problems of the individual. (Fall, Spring, Summer)

RELB 345. Pentateuch and Writings (B-1) (W) 3 hours

An introduction to the Pentateuch and Writings, the first and third major divisions of the Old Testament. Attention will be given to the structure, theme, theology, historical setting, and significance of this literature in Christian interpretation. Various approaches to the study of the Old Testament will be surveyed. (Fall, alternate Summers)

RELB 346. Prophets (B-1) 3 hours

An introduction to the Prophets, the second division of the Old Testament. Attention will be given to the structure, theme, theology, historical setting, and significance of this literature in Christian interpretation. (Spring, alternate Summers)

RELB 425. Studies in Daniel (B-1) (W) 3 hours

Recommended: HIST 174, 175.

A study of selected historical and prophetic portions of Daniel to discover their meaning and relevance for today. (Fall, alternate Summers)

RELB 426. Studies in Revelation (B-1) 3 hours

Recommended: HIST 174, 175.

A study of the prophecies and symbolisms of Revelation with their historical fulfillments. Special attention will be given to discovering its special message for our day. (Spring, alternate Summers)

RELB 435. New Testament Studies I (B-1) 3 hours

An exegetical study of the following epistles in order of their composition: 1 and 2 Thessalonians, 1 and 2 Corinthians, Galatians, and James. Includes a background survey of the book of Acts. (Fall, alternate Summers)

RELB 436. New Testament Studies II (B-1) (W) 3 hours

An exegetical study of Romans, the Prison, Pastoral, and General epistles, (excluding James) and Hebrews. (Spring, alternate Summers)

RELB 295/495. Directed Study 1-3 hours

This course is limited to Religion and Theology majors and must be approved by the chairman of the Department of Religion. Occasionally the course may be conducted as a seminar and published in the schedule of classes. (Fall, Spring, Summer)

RELIGION

RELT 138. Adventist Heritage (B-2)

3 hours

A study of the Second Advent Awakening in the nineteenth century and the subsequent development of the Seventh-day Adventist Church. Special emphasis will be placed on the contributory role in the church of the Spiritual Gift of Prophecy through the life and ministry of Ellen G. White.

RELT 225. Last-Day Events (B-2)

3 hours

Recommended: One college Biblical Studies or Religion course.

Last-Day Events is a Biblical, theological and historical study of eschatology rooted in its Christ-centered focus. It considers the unique Seventh-day Adventist contribution over against that made by leading scholars both in the past and present. (Fall, Spring, Summer)

RELT 236. Biblical Interpretation (B-2)

3 hours

An introduction to the theory and practice of biblical exegesis and hermeneutics. Designed to enrich anyone wishing to learn how to read and understand the Scriptures, the course will focus on the nature of the biblical text, available resources for interpretation, and the proper procedures involved in adequate exegesis. Some consideration will also be given to the interpretation of the writings of Ellen G. White as they relate to the Bible. (Spring)

RELT 255. Christian Beliefs (B-2)

3 hours

Christian Beliefs is a study of Adventist doctrines in a Christ-centered context. This course will involve a study of the major teachings, with a view to enhancing the student's understanding and ability to provide Biblical support for his faith. (Fall, Spring, Summer)

*RELT 317. Issues in Physical Science and Religion (B-2, E-3)

3 hours

(See Division of Mathematical Sciences PHYS 317.)

*RELT 318. Issues in Physical Science and Religion II (B-2, E-3)

3 hours

(See Division of Mathematical Sciences PHYS 318.)

RELT 326. Dynamics of Salvation (B-2), (W)

3 hours

The study of the underlying principles of the plan of salvation as revealed in the sanctuary services of the Old Testament. (Spring)

RELT 367. Philosophy of Religion (B-2), (W)

3 hours

A study of the basic concepts of religion from a philosophical viewpoint. Attention will be given to such major questions as religious experience, reason and faith, theism and atheism, religious language, and the problem of evil. (Spring)

RELT 268/368. Comparative Religions (B-2), (W)

3 hours

A study of several major representative Christian and non-Christian religions, including a survey of the history and the distinctive characteristics of

each. RELT 268 is offered on the Orlando campus only and does not carry writing emphasis. RELT 368 will require observational field work. (Spring)

RELT 373. Christian Ethics (B-2) 3 hours

A foundation course in moral decision-making with case studies taken from bio-ethics. The objective is to discover timeless norms by which to make basic ethical decisions across the professional spectrum. These norms are then applied to personal and social issues relevant to the student. Limited to nursing students or students with Junior/Senior class standing. (Fall, Spring, Summer)

***RELT 424. Issues in Natural Science and Religion (B-2, E-1), (W) 3 hours**

(See Division of Natural Science listings, BIOL 424.)

RELT 465. Historical Theology (B-2), (W) 3 hours

Recommended: HIST 364, 365.

A comparative study of the major beliefs of Seventh-day Adventists and of other Christian churches from pre-Reformation times to the present. The uniqueness of "The Great Controversy" theme will be given special emphasis. (Spring)

RELT 484. Christian Theology I (B-2) 3 hours

Christian Theology I and II examine the major loci of Christian beliefs. Christian Theology I takes up Prolegomena, Doctrine of God, Christology, and Pneumatology; and in the process covers a portion of the 27 Seventh-day Adventist fundamental beliefs. Acceptable for denominational certification. (Fall)

RELT 485. Christian Theology II (B-2) 3 hours

Prerequisite: RELT 484.

Christian Theology II examines Anthropology, Soteriology, Ecclesiology, and Eschatology, covering the rest of the 27 Seventh-day Adventist fundamental beliefs. Acceptable for denominational certification. (Spring)

RELT 295/495. Directed Study 1-3 hours

This course is limited to Religion and Theology majors and must be approved by the chairman of the Department of Religion. Occasionally the course may be conducted as a seminar and published in the schedule of classes. (Fall, Spring, Summer)

* One of the "Issues" courses can apply to General Education natural science requirement for majors, to Religion for nonmajors.

PRACTICAL THEOLOGY

Lay Leadership

RELP 051-052. Student Mission Practicum (non-credit) 6,6 hours

This course is designed specifically for those who participate in the North American Division Taskforce Program, and those who work in other coun-

tries as part of the Student Missions Program. Activities will vary according to specific area and positions available and the length of service will be from nine months to one year. May not be repeated.

REL 127. Student Missions Orientation **2 hours**

A course designed to help students better understand cultural differences, interpersonal relationships, health care for others and themselves, social and monetary problems, personal qualifications for service and relevant denominational policies for overseas service. The course is required by the General Conference of Seventh-day Adventists for those under appointment as student missionaries. One-third regular tuition rate. (Spring)

REL 204. Principles of Self-Supporting Work **2 hours**

The objectives of this course are to set forth principles from the Spirit of Prophecy; review the history and successes and failures of self-supporting institutions; study plans and methods of operation and set before the student the needs and call for active involvement as lay members to help finish the work of the church. (Fall)

REL 206. Christian Salesmanship **2 hours**

Teaches the psychology, techniques and methods of selling Christian literature.

REL 295/495. Directed Study **1-3 hours**

This course is limited to Religion and Theology majors and must be approved by the chairman of the Department of Religion. Occasionally the course may be conducted as a seminar and published in the schedule of classes. (Fall, Spring, Summer)

Pastoral Leadership

REL 321. Homiletics I **2 hours**

Prerequisite: SPCH 135.

An introduction to sermon development and delivery. Attention will be given to the sermon structure and the preparation of biographical and topical sermons. Opportunity will be given to preach and analyze sermons. One lecture and two laboratories each week. To be taken in the junior year. (Fall)

REL 322. Homiletics II **2 hours**

Prerequisites: SPCH 135 and REL 321.

Expository, textual, and evangelistic sermon types will be considered. One field trip will be required. Opportunity will be provided to develop proficiency in preaching. One class lecture and two laboratories each week. To be taken in the junior year. (Spring)

REL 351-352. Pastoral Ministry I and II **2,2 hours**

An introduction to the practice of pastoral ministry, this course focuses on the theology of ministry, ministerial ethics, the relationship of the minister to denominational polity, the community, and the local church. Consideration is given the various professional tasks of the pastor, such as pastoral care, administration, leadership in worship, etc. Laboratory work in area churches will be required. (Fall, Spring)

***REL 455. Evangelistic Methods (B-2) 3 hours**
Attention will be given to concepts and methods involving ways of creating witnessing opportunities; the giving of Bible studies; obtaining a decision for Christ; the conducting of Revelation Seminars; and public evangelism. Where possible, Revelation Seminars will be conducted concurrent with the class. Three hours per week of field experience required for this course. (Fall, occasional Summers)

*** REL 455 may be applied to General Education requirements, Area B-2, for up to three hours of credit.**

BIBLICAL LANGUAGES

RELL 271-272. Elements of New Testament Greek (D-1) 4,4 hours
A study of the grammar and syntax of the vernacular koine Greek of New Testament times, with readings in the epistles of John. Laboratory work required. (Fall, Spring)

RELL 311-312. Intermediate New Testament Greek (D-1) 3,3 hours
A course in advanced studies, grammar, and syntax of koine Greek with translation of readings from the Gospel of John, the Synoptics, and the Pauline Epistles. (Fall, Spring)

RELL 471-472. Biblical Hebrew (D-1) 2,2 hours
A foundation course in the grammar, syntax, and lexicography of classical biblical Hebrew, with an emphasis on reading skills. Laboratory work required. (Fall, Spring)

EDUCATION

EDUC 438. Methods of Teaching Bible 2 hours
Prerequisite: Admission to Teacher Education. EDUC 133.
Attention is given to methods and materials construction, planning, testing and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year. (Spring)

(B-1), (B-2), (D-1), (E-1), (E-3), (W) See pages 14-16 for explanation of General Education requirements.

TECHNOLOGY

John Durichek, M.A., *Chairman*
Francis Hummer

Courses are offered which provide opportunity to balance learning with practical experience in the areas of woods, metals, printing, drafting, and auto maintenance. Objectives of these classes are:

1. To assist the student in growing toward his potential by providing classroom and lab experiences that nurture creativity.
2. To help the student learn to meet the challenges of daily living by providing "hands-on" experiences with elements of the environment.
3. To develop practical skills which will be useful throughout life as hobby and recreational activities as well as professional enhancement.
4. To provide opportunity for the student to develop tactile learning skills.
5. To introduce the student to opportunities in technical and service occupations.
6. To provide background for entrance into specialized technical and professional degree programs and occupations.

These courses are essential for students majoring in:

Art
Business Administration
Education
Journalism and Communications
Office Administration
Pre-Occupational Therapy
Pre-Engineering

Minor: A minor in Technology is eighteen hours including six hours upper division. Courses in Auto Body do not apply on this minor except TECH 223.

DIPLOMA PROGRAM

Auto Body—Repair and Refinishing

The auto body program is designed to teach panel repair, refinishing, estimating, frame straightening, and major collision repair. The typical student upon completion of the course should have gained sufficient skill and experience to obtain employment in the trade.

Inasmuch as tradespeople provide their own hand and air tools, the student will be expected to purchase a skeleton set for personal use during the course. The department will assist the student in the purchase of these tools which will cost approximately \$300.

Enrollment in the Auto Body Diploma Program is limited. Applications to this program should be sent directly to Francis Hummer, instructor, for approval. Students whose applications are approved by August 1 will receive a scholarship in the amount of one-half the tuition in addition to whatever grants or scholarships for which they may be eligible.

The requirements are as follows: AUTO 110, 111-112, 114, 116, 118, 120; TECH 164, 364, and three hours from General Education B-1 or B-2 courses.

A year-by-year outline for this major is listed on page 281.

AUTO BODY

AUTO 110. Panel and Spot Repair **5 hours**

Course is the first introduction to body repair. Student will learn how to straighten small dents, prepare panel for body fillers, prime and block ready for painting. (Fall)

AUTO 111-112. Painting and Refinishing **4,2 hours**

An introductory study of vehicle preparation and painting. Student will progress to doing complete refinish job himself. Student must purchase his own respirator and spray gun. Costs average \$125. (Fall, Spring)

AUTO 114. Oxy-Acetylene Welding **1 hour**

Gas welding and brazing of sheet metal in preparation for typical body shop welding jobs. Personal goggles required. (Fall)

AUTO 116. Collision Repair I **4 hours**

Introduction to a major collision job. Students will probably work in pairs. Body alignment, frame straightening, panel replacement, and dent repair are involved. (Fall)

AUTO 118. Collision Repair II **4 hours**

Continuation of experience in collision repair, emphasizing body alignment, frame straightening, glass work, fiber glass repair, and body section replacement. There is no lecture component to this class, but rather is composed of four 3 period labs per week. (Spring)

AUTO 120. Collision Repair III **5 hours**

A repetition of work experiences of Collision Repair I and II, but on an individual basis. Students will learn estimate writing, parts and supplies purchasing, shop management, and equipment maintenance. (Spring)

TECHNOLOGY

179

TECH 145. Graphic Arts (G-2) 3 hours

Special emphasis is given to offset methods of copy preparation, camera techniques, platemaking, screen printing and press work. Experience is offered in personal computer desk-top publishing. Skills learned are applicable for personal and business communications. A supplies fee will be charged for projects produced in class. Average cost of projects approximately \$75. (Fall)

TECH 149. Engineering Graphics (G-2) 2 hours

A basic course in drafting, training the student in the use of instruments and the principles of orthographic projection, surface development, sectioning, pictorial representation, and dimensioned working drawings. Six periods laboratory each week. Lecture as announced by the instructor. Instruments cost approximately \$40. (Fall)

TECH 154. Woodworking (G-2) 3 hours

A study of hand and machine tools, joinery, and proper methods of furniture construction. One period lecture, six periods laboratory each week. A supplies fee will be charged for the cost of the materials used in project construction. Generally, the costs have exceeded \$100 or \$200 if large furniture items were constructed. (Fall)

TECH 164. Automotive Maintenance (G-2) 2 hours

A course designed to help the car owner become knowledgeable in the matters of buying, servicing, and maintaining the auto. The student will work on his own car or on one belonging to the shop. Basic tools are needed which will cost \$50-\$75. One period lecture and three periods laboratory each week. (Fall)

TECH 174. General Metals (G-2) 3 hours

Designed to acquaint the student with the many aspects of working with metals. Instruction will be given in the areas of forging, foundry, sheet metal, welding, plus hand- and power-operated metal-cutting equipment. One period lecture and six periods laboratory each week. Project expenses average \$50. Each student must purchase his own safety glasses, welding gloves and goggles. (Spring, alternate years)

TECH 223. Auto Body Repair (G-2) 3 hours

An introductory course designed to acquaintles and techniques used in repair of damaged body panels. Preferences will be given for class admission to those who have experience in doing automotive work and who have gas welding skills. Each student will need his own basic hand tools which cost approximately \$100. One period lecture and six periods laboratory per week. (Spring)

TECH 295/495. Directed Study 1-3 hours

The study of a specific problem in the field of Technology. A written report of the problem may be required by the supervising instructor. Open only to those earning a minor in Technology. Offered on demand. (Fall, Spring)

Technology

180

TECH 349. Computer Graphics (G-2)

2 hours

Prerequisite: TECH 149 or equivalent.

An introduction to Computer-Aided Drafting. A study of the computer as an aid in drawing and design as it applies to technical, mechanical, architectural and electrical fields using Auto Cad and Cad Key. Six periods laboratory each week. Lecture as announced by the instructor. (Spring)

TECH 354. Furniture Construction

3 hours

Prerequisite: TECH 154.

Emphasis will be placed on construction of a piece of furniture of the student's choice. One period lecture and six periods laboratory each week. Students must underwrite the costs of materials. (Spring, alternate years)

TECH 364. Automotive Repair (G-2)

2 hours

Prerequisite: TECH 164.

A course designed to give basic understanding of the automobile. Main emphasis is given to power plant and drive train design, operation and service. One period lecture and three periods laboratory each week. Each student supplies his own hand tools and coveralls. Minimum tool set costs approximately \$75. All lab learning experience is on actual cars either from the community or personal vehicles. (Spring)

See pages 14-16 for explanation of General Education requirements.

INTERDEPARTMENTAL PROGRAMS

MEDICAL SCIENCE

Adviser: Stephen A. Nyirady

A Bachelor of Science Degree in Medical Science will be conferred upon students not already in possession of a bachelor's degree who satisfy the following two conditions:

1. Complete 93 semester hours in an accredited undergraduate college program of which at least the last 30 were taken in residence at Southern College and at least 12 of which are at the upper division level.
2. Provide certification from an accredited professional school of dentistry, medicine, or optometry that the first year of the respective professional program has been successfully completed and that the applicant is eligible to continue.

Request for the conferral of this degree is made to the Director of Records.

GENERAL STUDIES

Adviser: Mary Elam

The Associate of Science degree with a major in General Studies is designed for students who have not made a career decision at the time they enter college. This degree offers them an opportunity to earn a large part of the general requirements for a baccalaureate degree while leaving approximately 20 semester hours free for exploration in areas of their choice.

ASSOCIATE OF SCIENCE DEGREE IN GENERAL STUDIES

	AREA	SEMESTER HOURS
A-1	English	6-9
A-2	Mathematics	3
B	Religion	6

Non-Degree

Pre-Professional Programs

182

C	History/Government/Economics	6
D	Language/Literature/Fine Arts	6
E	Natural Science	6
F	Behavioral/Family/Health Science	3
G	Activity Skills	6
	Electives	19-22

Area C. At least 3 hours must be history.

Area D. Must include at least 2 sub-areas.

Area E. Must include at least 2 sub-areas.

Area G. Must include at least 2 sub-areas with not more than 3 hours in any one sub-area.

Elective credit is to be selected from not more than four subject areas.

A year-by-year outline for this major is listed on page 266.

NON-DEGREE

PRE-PROFESSIONAL PROGRAMS

Pre-professional and pre-technical curricula are offered in a wide variety of fields. Below are listed the curricula most frequently chosen. If other pre-professional programs are desired, faculty advisors are prepared to assist the student in working out a satisfactory sequence of courses needed to meet the admission requirements of the chosen professional school.

ANESTHESIA

Adviser: Charlene Robertson

Registered nurses who are comfortable working in critical care areas may become registered nurse anesthetists. Graduation from an approved program of nursing and a valid nursing license is required. Additional requirements may be determined by consulting the Department of Nursing.

DENTISTRY

Adviser: Duane Houck

The minimum requirement for admission to schools of dentistry is two years of college; however, few applicants are accepted after two years and most candidates complete a baccalaureate degree before being admitted.

Non-Degree Pre-Professional Programs

183

Successful applicants to Dental School must make satisfactory scores on the Dental Admissions Test in addition to meeting G.P.A. and personal qualifications. For admission to Loma Linda University (LLU), it is recommended that the student maintain a minimum G.P.A. of 3.0 in both science and non-science courses. Satisfactory performance on the Dental Dexterity Test is also required.

The following courses must be included to meet the minimum requirements for admissions to the LLU School of Dentistry:

BIOL 155, 156	8 hours
BUAD 334	3 hours
CHEM 151-152, 311-312, 313-314	16 hours
ENGL 101-102	6 hours
MATH 114	4 hours
PHYS 211-212, 213-214	8 hours
PSYC 124	3 hours
Physical Education	1 hour
Religion	9 hours
Electives	8 hours

The following courses are strongly recommended:

FDNT 125	3 hours
TECH 174	4 hours
ACCT 103	3 hours
MATH 115	3 hours

An additional Psychology course

LAW

Adviser: William Wohlers

Students interested in the study of law as a profession should become acquainted with the entrance requirements of various law schools. This will make possible the planning of a pre-professional program which will qualify the student for admission to several schools. It is a general requirement that students complete a bachelor's degree before entering law school. Although no particular major is required, four fields should be especially considered by the student serious about law school. These are: Business, history, English, and behavioral science. Certain courses recommended by all law schools include American history, freshman composition, principles of accounting, American government, principles of economics, English history, business law, creative writing, and mathematics. Pre-law students should concentrate on developing their analytical and verbal skills.

Information about preparation for law school may be obtained from the Section of Legal Education and Admissions to the Bar, American Bar Association, 1155 East 60th Street, Chicago, Illinois 60637. For informa-

Non-Degree Pre-Professional Programs

184

tion about the Law School Admissions Test write the Law School Admissions Service, P.O. Box 2000, Newtown, Pennsylvania 18940.

MEDICINE

Adviser: Stephen A. Nyirady

Secondary school students who look forward to a career in medicine are advised to include mathematics and science courses during their high school years.

It is recommended that applicants complete a Bachelor's Degree prior to entrance into medical school. Exceptional students may be eligible to apply after completion or a minimum of 85 semester hours. Letter grades are essential for evaluation of the required science courses. Applicants for admission to the Loma Linda University School of Medicine should maintain a grade point average of at least 3.50 in both science and non-science courses. The following courses must be included in the applicant's academic program. Classes with asterisks in biology, chemistry, and mathematics are recommended.

BIOL 155, 156, 313*, 316*, 417*	11 hours
CHEM 151-152, 311-312, 313-314, 323*	16 hours
ENGL 101-102	6 hours
MATH 114, 115*	8 hours
PHYS 211-212, 213-214	8 hours
Religion	12 hours

It is recommended that students plan a curriculum that includes study of the humanities and social sciences to provide a solid preparation for the future role of the physician.

Applicants are also encouraged to obtain experience where they are directly involved in the providing of health care.

The applicant is required to have taken the new MCAT prior to consideration by the admissions committee. The medical school entrance exam is administered twice a year—in September and April. Application for the exam is made through the Counseling and Testing Center one month before the exam is scheduled. For entrance into medical school following graduation, the student should plan on taking the MCAT in April of the junior year which means that all of the above listed science courses should be completed by this time to insure maximum performance on the exam. The exam may be retaken in September of the senior year.

Once or twice each year representatives from LLU and other schools of medicine visit the campus to interview prospective students. Premedical students are encouraged to make appointments to speak with them.

Most medical schools are members of the American Medical College Application Service (AMCAS). Applications must be submitted through

Non-Degree Pre-Professional Programs

185

this service. The AMCAS application may be obtained either at the college the applicant is attending or directly from AMCAS. Application should be directly to AMCAS between July 1 and November 1 for entry in the summer of the following year.

American Medical College Application Service
1176 Massachusetts Avenue, N.W.
Washington, DC 20036-1989

After receiving the application from AMCAS, the admissions office of the medical school reviews the candidates and determines whether or not supplementary information is needed. Following a careful evaluation of the supplementary application and letters of recommendation submitted to the admissions office, selected applicants may be invited for a personal interview.

OPTOMETRY

Adviser: Ray Hefferlin

The admission requirements to colleges of optometry vary, so the student should follow the catalog from the school of his or her choice. However, all place emphasis on biology, chemistry, mathematics and physics. Additional courses in the areas of fine arts, language, literature, and the social sciences are usually necessary.

A minimum of two years of preoptometric study is required. However, additional study increases the prospects of acceptance into professional training.

Following is a list of pre-optometry courses required by most schools:

BIOL 225 and 155-156	11 hours
CHEM 151-152	8 hours
ENGL 101-102	6 hours
MATH 114, 115, 215	12 hours
PHYS 211-212, 213-214	8 hours
PSYC 124	3 hours

Direct individual inquiries are welcomed by the American Optometric Association, Division of Education and Manpower, 243 North Lindbergh Blvd., St. Louis, Missouri 63141.

OSTEOPATHIC MEDICINE

Adviser: Stephen A. Nyirady

An alternative to allopathic medical schools, which grant the M.D. degree, are the osteopathic medical schools whose graduates receive the D.O. degree.

Many Seventh-day Adventists have attended the Kansas City School of Osteopathic Medicine, one of twelve osteopathic medical colleges in this country.

Non-Degree Pre-Professional Programs

186

Courses for admission are similar to those for Loma Linda University School of Medicine.

For a reasonable chance of acceptance, a minimum grade point average of 3.0 should be maintained in both science and non-science subjects.

PHARMACY

Adviser: Mitchell Thiel

The bachelor's degree program in pharmacy normally requires five years, the first two years of which may be taken at Southern College.

Admission requirements to colleges of pharmacy are somewhat variable so the student should consult the catalog of the school of his choice for specific course recommendations.

Minimum admission requirements to the University of Tennessee College of Pharmacy at Memphis are:

ACCT 121	3 hours
BIOL 155-156	8 hours
CHEM 151-152, 311-312, 313-314	16 hours
ENGL 101-102	6 hours
PHYS 211, 213	4 hours

Additional requirements include:

Literature or Foreign Language	4 hours
Social Sciences:	
Psychology	2 hours
Other	4 hours
Speech	2 hours
Electives	12 hours

A minimum grade of "C" must be obtained for each required pre-pharmacy class. A higher grade point average will increase the chance of acceptance into pharmacy school. In addition, a satisfactory score must be achieved on the National Pharmacy College Admission Test.

PUBLIC HEALTH SCIENCE

Adviser: Elvie Swinson

There is an increasing demand for programs that promote health and disease prevention. Two major factors influencing this demand are (a) an effort to slow down or decrease the rising costs of medical care and (b) emphasis on improving the quality of life. The undergraduate program in public health science at Loma Linda University (LLU) provides an opportunity to emphasize the prevention of illness and the promotion of health. The first two years of the program are offered at Southern College after which the student transfers to LLU to complete the work to receive

Non-Degree Pre-Professional Programs

187

the bachelor's degree in public health science. The following courses should be included in the pre-public health science curriculum to qualify for admission to LLU. Students not having had high school physics must enroll in college physical science.

ENGL 101-102	6 hours
Humanities (include at least two areas: speech (highly recommended), fine arts, foreign language, HMNT 205, literature, philosophy)	9 hours
BIOL 105, 106 or 155, 156, and 125	9-11 hours
CHEM 111-112, 113, 114	8 hours
MATH 104	3 hours
PSYC 124, SOCI 125, ECON 225	9 hours
Religion	9 hours
Electives sufficient to make a total of 64 hours chosen in consultation with adviser.	

The Allied Health Professions Admission Test is required.

VETERINARY MEDICINE

Adviser: Edgar Grundset

Competition for admission to colleges of veterinary medicine is very keen. Consequently, most successful applicants have completed a degree rather than the required minimum of two years of college. It should also be noted that it is almost impossible to be accepted in any veterinary institution other than the school in the state where the applicant resides.

The applicant must make a satisfactory score on the Veterinary Aptitude Test in addition to meeting grade point average and personal qualifications for admission. Professional training entails another four years of school beyond college.

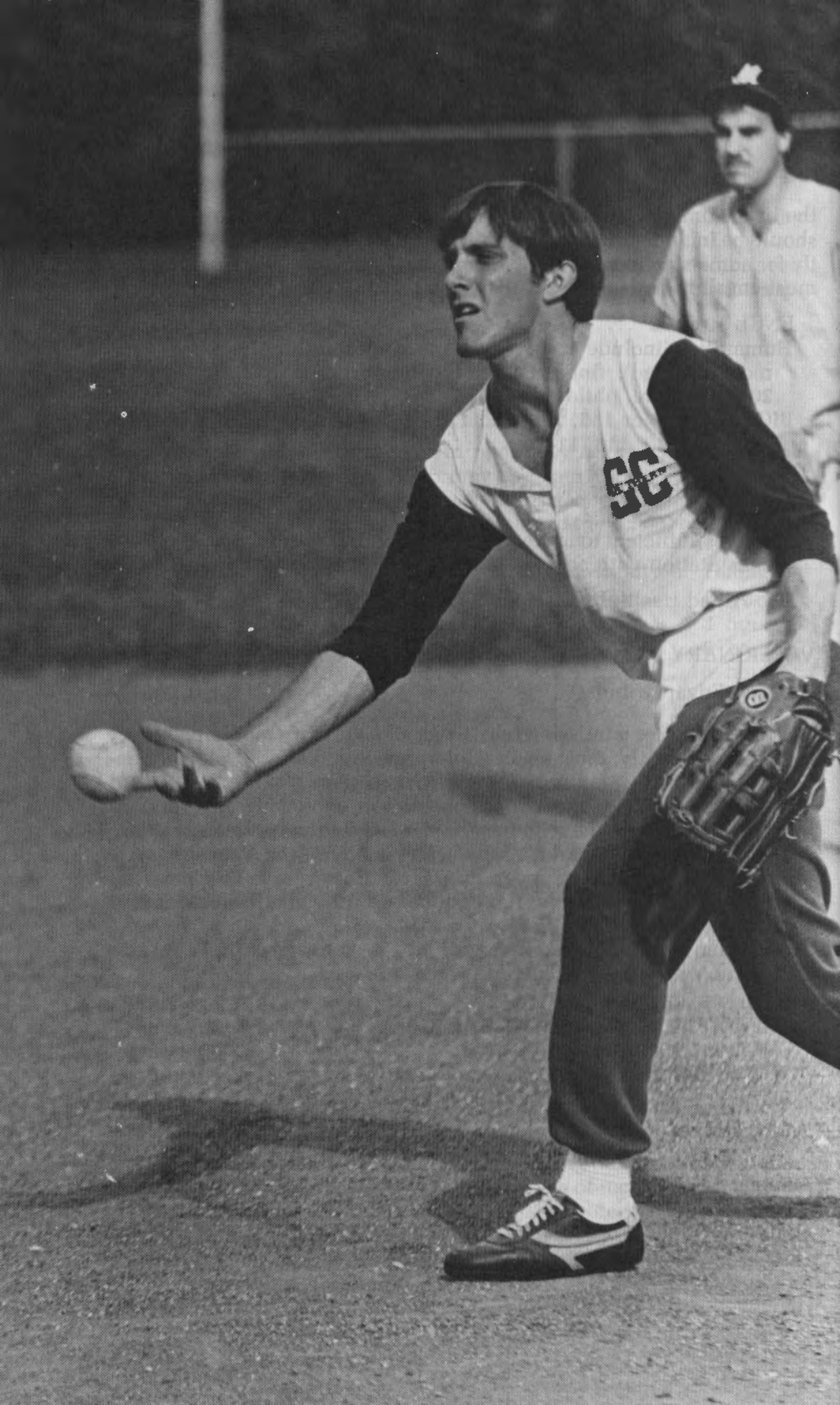
Minimum admission requirements to the University of Tennessee College of Veterinary Medicine in Knoxville are:

BIOL 125, 155-156	11 hours
CHEM 151-152, 311-312, 313-314, 323	20 hours
ENGL 101-102	6 hours
MATH 114, 115	9 hours
PHYS 211-212, 213-214	8 hours

Additional requirements include:

Humanities	8 hours
Social Sciences	8 hours
Speech	2 hours
Animal Science (not offered at Southern College)	9 hours

(Some schools will accept a full year of general biology or zoology in lieu of Animal Science—one needs to check with the institution.)



STUDENT LIFE AND SERVICES

A college is not only classroom instruction, but also a mode of association. The effectiveness of the college program is enhanced if students develop their interests and meet their needs through participation in the nonacademic activities provided. Students are encouraged to take advantage of the facilities and opportunities planned for their cultural, social, and spiritual growth.

RESIDENCE HALL LIVING

Living in a college residence hall with its daily "give and take" prepares the student to meet life with equanimity, teaches respect for the rights and opinions of others, and offers a firsthand experience in adjusting to a social group.

To assure students this beneficial experience, the college requires those students who take more than three semester hours of classwork and who are unmarried, under 23 years of age, and not living with their parents or other close relatives in the vicinity to reside in one of the residence halls.

REHABILITATION ACT (1973) Section 504: Services for Students with Special Needs

Southern College is dedicated to the elimination of architectural and prejudicial barriers which prevent any qualified person from attending. All applications are welcomed. Students who anticipate the need for special services are encouraged to arrange with the Admissions Office for a visit to the campus at which time the applicant will receive information concerning all features of campus life and can share with the college officials any information pertinent to personal needs.

DINING

For the promotion of student health and enjoyment, Southern College provides a complete cafeteria service, organized to serve the students' needs. The spacious dining hall is an inviting center of social and cultural life at the college, and service by the cafeteria staff is available for the many student and faculty social functions. Auxiliary dining rooms are available for meetings of various student or faculty organizations.

Student Life and Services

190

HEALTH SERVICE

The Health Service is administered by a nurse director in cooperation with a college physician and the Vice President for Student Services. The director uses the physician's standing orders and maintains regular office hours. The college physician holds regular clinic hours each weekday morning.

An infirmary is provided and staffed in the evenings and at night on an on-call basis by live-in A.D. nurse graduates who are continuing for the B.S. degree.

The Health Service is available to all dormitory occupants and all students taking eight or more hours (three hours in the summer). The infirmary is available to all dormitory occupants. There is no charge for seeing a nurse or using the infirmary. There is a minimal charge to cover costs of equipment used in some treatments. Medications given are charged by the pharmacy.

All students taking eight hours or more must purchase the Student Accident and Sickness Insurance Plan or show proof of adequate coverage by another policy. Spouses of students and those taking less than eight hours may also purchase the plan. A policy brochure describing complete benefits and terms is given to each student at registration. In case of major illness, students may be referred to off-campus hospital facilities.

GUIDANCE AND COUNSELING SERVICE

During registration each student is assigned an academic adviser who will assist in program planning and give advice and guidance on academic questions throughout the school year. Students may also seek counsel concerning academic or personal problems from any member of the faculty.

Students with personal problems who wish assistance from a professional counselor should consult the Vice President for Student Services or Director of Counseling Services. Personnel trained in psychology and counseling are available to those with serious social and personal problems.

The testing service works in close cooperation with the counseling service in providing guidance information to both students and counselors. Students are urged to take advantage of the testing service as a means of obtaining information useful in choosing a profession or occupation.

ORIENTATION PROGRAM

Southern College has a personal interest in the success of the student desiring a college education. There is much that the student must do for himself in getting acquainted with the academic, social, and religious life of the college by perusing this bulletin and the Southern College

Student Handbook. Instruction and counsel are given which will help the student better understand the college program and what is expected of him as a citizen of the college community.

Orientation for new freshman students is held prior to the opening week of the fall term. It includes examinations and instruction helpful in course planning. The student is introduced to the facilities, purposes, and functions of the college. Social occasions are also provided when students may meet faculty members and fellow students. All new freshman students are required to attend the orientation program.

STUDENT EMPLOYMENT SERVICE

Southern College encourages every student enrolled to organize his educational program on the study-work plan. It is a policy of the college to give students first priority for jobs. If a student wants to work, is physically and emotionally able to work, and has arranged his class schedule to accommodate a reasonable work schedule, he should be able to obtain employment on campus. Students seeking employment should contact Student Employment Office located in the Student Center.

SENIOR PLACEMENT SERVICE

One of the personnel services of the college is that of assisting graduates in securing appointments for service. The Placement Service distributes information concerning senior students to a wide list of prospective employers. The Job Placement Office serves as the liaison officer in bringing graduate and employer together.

STUDENT ASSOCIATION

Every student at Southern College who is taking eight or more semester hours of classwork is a member of the Student Association with voting privileges in the election of officers. Opportunities for leadership development and for cooperation in achieving the objectives of Southern College are afforded by the Association. The Association assists the college administration and faculty in the implementation of policies and assumes responsibility in giving direction to campus activities entrusted to it.

The Association's activities are coordinated and communicated through the Student Senate and Cabinet and their several committees. The activities include the publishing of the weekly newspaper, *Southern Accent*; the yearbook, *Southern Memories*; the announcement sheet, *Campus Chatter*; and the student-faculty directory, *Joker*.

The activities and responsibilities of officers and the detailed organization of the Student Association are outlined in the Student Association Constitution and By-laws.

Student Life and Services

192

CAMPUS ORGANIZATIONS

Aside from the Student Association and its committees, more than thirty campus organizations provide opportunity for enrichment, leadership training, and enjoyment. They include church-related organizations—Campus Ministry, Student Ministerial Association, Collegiate Adventists for Better Living, and Literature Evangelists Club; clubs related to academic interests sponsored by the divisions; social clubs—Married Couples' Forum, Sigma Theta Chi, and Upsilon Delta Phi; and special interest or hobby clubs.

Students may join any of the clubs but must have a cumulative grade point average of 2.25 or a grade point average of 2.50 for the previous semester to hold any elected office.

CONCERT-LECTURE SERIES

Each year a concert-lecture series featuring distinguished artists, lecturers, and film travelogues is provided for students, generally on Saturday or Sunday nights. The cost of season tickets issued to students is partially included in the tuition.

STANDARDS OF CONDUCT

In harmony with the objectives of the college, high standards of behavior are maintained to encourage the development of genuine Christian character. Mature Christian students of sound spiritual and social integrity delight in standards that elevate and ennoble. Admission to Southern College is a privilege that requires the acceptance of and compliance with published and announced regulations. Only those whose principles and interests are in harmony with the ideals of the college and who willingly subscribe to the social program as ordered are welcomed. It therefore follows that since students at Southern College receive an education subsidized by the Seventh-day Adventist Church, those who engage in activities designed to be detrimental to the church on or off campus will not be knowingly accepted or retained.

A student who finds himself out of harmony with the social policies of the college, who is uncooperative, and whose attitudes give evidence of an unresponsive nature may be advised to withdraw without specific charge. The use of tobacco or alcoholic beverages, the improper use of drugs, theater attendance, card playing, dancing, profane or vulgar language, hazing, and improper associations are not tolerated.

Each student is expected to acquaint himself with the standards of conduct published in the *Southern College Student Handbook*. The handbook includes levels of social discipline and the appeal route. A copy may be obtained from the Office of the Vice President for Student Services. Interim announcements of policies adopted by the faculty are of equal force with those listed in official publications.

Student Life and Services

CHAPEL AND WORSHIP SERVICES

193

In private parochial education it has been well known that elimination of residence halls convocations and all school convocations is the first step toward the separation of the school from its sponsoring church. Convocation exercises in the residence halls and for the entire student body serve educational and religious purposes. They also provide an element of unity which is one of the most desirable features of private education such as is found at Southern College.

The religious emphasis weeks and the weekend church services assist in the spiritual growth of the students comprising the college community. Students are required to attend these services regularly. Failure to do so will jeopardize the student's current status and readmission privileges.



ADMISSIONS, EXPENSES, AND FINANCIAL AID

ADMISSIONS

Southern College welcomes applications from students, regardless of race, sex, religion, or national origin, whose principles and interests are in harmony with the ideals and traditions of the college as expressed in its objectives and policies. Although religious affiliation is not a requirement for admission, all students are expected to abide by the policies and standards of the college as a Seventh-day Adventist institution.

PREPARATION FOR FRESHMAN STANDING¹

Applicants for regular admission as freshmen must submit three satisfactory recommendations to the Admissions Office and satisfy one of the following three conditions by the time of enrollment:

Regular Acceptance

- A. Graduate from an approved secondary school, including Home Study International, with a grade point average (GPA) of at least 2.00 (on a 4.00 scale) in major subjects² and have a minimum composite score of 15 on the American College Test (ACT).
- B. Pass the General Education Development (GED) test, have a composite score of 15 on the ACT, and be eighteen years old by June 1 (prior to admission).
- C. Complete a minimum of eighteen secondary school units, fourteen of which must be in major subjects², with a minimum GPA of 3.00 in the major subjects, and have a minimum composite score of 15 on the ACT.

Southern College must have received a final high school transcript or GED scores from each new student before he will be admitted to registration.

¹Those planning to enter professions such as nursing or music education should consult divisional admissions requirements.

²Bible, English, mathematics, natural science, social science, and foreign language.

Admissions

196

Acceptance on Academic Probation

- A. If either the high school GPA or ACT composite score is below the minimum requirements as stated above, the student may be accepted on academic probationary status.
- B. Students accepted on academic probation may take no more than 12 semester hours during the first semester.

If both the high school GPA and the ACT composite score are below the minimum requirements (2.00 and 15 respectively), it will be necessary for the student to take a minimum of six semester hours (in solid courses) and maintain a college GPA of 2.25 before being accepted at Southern College. These six hours may be taken at Southern College during the summer (last session excluded) or at another accredited college.

Applicants to freshman standing are expected to have the following minimum subjects in their secondary program:

1. Three units of English, excluding journalism and speech.
2. Two units of mathematics, including algebra.
3. Two units of science. A college class in biology, chemistry, or physics must be taken in addition to general education requirements if this condition is not met.
4. Two units of social studies. If one of these two units is not World History, HIST 174, 175, 364, 365, 374, 375, 386 or 389 must be taken as part of the general education requirements.
5. Two units in a foreign language for a B.A. degree are required. If deficient, one year of a foreign language at the college level will be required.
6. One unit in typing is strongly recommended.

ADMISSION TO THE NURSING DIVISION

Students who wish to be admitted to nursing courses as freshmen or as transfer students should refer to the Nursing section of the CATALOG for admission requirements.

ADMISSION OF TRANSFER STUDENTS

Students wishing to transfer to Southern College from another accredited college or university must follow the same application procedure as other students. Transfer credits may be applied toward the requirements for a degree when the student has satisfactorily completed a minimum of twelve semester hours in residence. Credit by examination taken at other colleges will be accepted according to Southern College standards (see pages 28 and 29). A maximum of seventy-two semester hours may be accepted from a junior college. Background deficiencies revealed by transcripts and entrance examinations will be given individual attention.

Credit will be granted for courses taken at institutions which are not regionally accredited only after the student has completed at least 16 semester hours at Southern College with a 2.00 or better average. Only those courses that are comparable to Southern College courses, and for which the student has earned a "C" or better grade, will be accepted.

A student who has been dismissed from another institution because of poor scholarship or citizenship, or who is on probation from that institution, is not generally eligible for admission until he can qualify for readmission to the institution from which he has been dismissed. **Transfer students must submit both their college and high school transcripts to the Admissions Office before being admitted to registration.**

ADMISSION OF SPECIAL STUDENTS

Mature individuals who do not meet the above college admission requirements and who do not wish to become degree candidates or otherwise-qualified students who may desire limited credit for transfer to another institution of higher learning may register as special students.

ADMISSION OF INTERNATIONAL STUDENTS

An international student making application to Southern College must have completed the equivalent of a United States high school (secondary) education. The student is required to list only the institutions and dates attended on the application forms, but will not be accepted to Southern College until the college has received original records or official copies of all credits, degrees, diplomas and other credentials, with validation by school or national officials. These should be in the original language, accompanied by a translation (not an interpretation) in English, and certified by an American Embassy official if possible.

The Vice President for Admissions of Southern College will evaluate academic documents received for international students based on the recommendations found in the World Education series of booklets published by the American Association of Collegiate Registrars and Admissions Officers and *Patterns of Seventh-day Adventist Education*, published by the General Conference of Seventh-day Adventists.

Students from countries which administer the G.C.E. (General Certificate of Education) examinations must have earned five (5) or more "O" level academic subject passes (generally at one sitting, with marks 1 through 6 or A through D). Subjects must include English, a natural science, and three others selected from a second language, mathematics, science and social studies.

Proficiency in English, both written and oral, must be proven before admission. This may be done by taking the English Language Proficiency Test (ELI) or Test of English as a Foreign Language (TOEFL). Students whose ELI score is below 90 or TOEFL score is below 550.

Admissions

198

Students must reach the above stated score to be admitted to the college for the regular academic year.

In addition to the regular college expenses, there are other expenses for an international student. (Please refer to the Financial Information section of the CATALOG.)

International students should realize that according to U.S. Immigration laws, overseas students are not permitted to work more than 20 hours per week and may not be employed except on the college campus.

It is important that international students not leave their homeland until they receive an official letter of admission from Southern College. Such a letter will be issued only if the student's academic credentials are satisfactory, surety advance deposit has been made, and he is able to demonstrate his ability to finance his education at Southern College. Then the (Immigration) I-20 form will be issued.

When the student departs his homeland, he should have in his possession:

1. An admissions letter of acceptance from Southern College;
2. I-20 form;
3. A valid passport;
4. A valid visa to enter the United States;
5. Sufficient funds for the first year at Southern College (in addition to the international surety deposit required of all non-U.S. citizens).

APPLICATION PROCEDURE FOR ADMISSION

- ▶ Prospective students should request application forms from the Office of Admissions.
- ▶ Completed applications, budget sheets, and medical forms should be returned to the Office of Admissions with an application fee of \$15.
- ▶ It is the student's responsibility to request any former schools (high school and college) to forward transcripts to the Office of Admissions in support of the application. These will become the property of the college. **NO TRANSCRIPT WILL BE ACCEPTED DIRECTLY FROM AN APPLICANT.**
- ▶ To permit a more effective program of counseling for admission, students transferring from another college or university with fewer than 55 semester hours and other students who have no college composition and/or mathematics courses will be required to take the ACT (American College Test) prior to registration at Southern College.
- ▶ Upon receipt and evaluation of the application, transcripts of cred-

its, recommendations, and test scores, the Admissions Committee will notify the applicant of the action taken.

WHEN TO APPLY OR REAPPLY

New students are urged to submit applications not later than the last term of the senior year of high school. Applications submitted at the beginning of the senior year will sometimes enable the college to suggest ways of strengthening the student's preparation. Because of the difficulty sometimes encountered during the summer months in obtaining necessary transcripts, test scores, and recommendations, more time will be necessary for processing late applications.

Students in residence may submit re-applications without charge until April 30. Thereafter the regular application fee of \$15 will be required until July 15, after which the fee becomes \$20.

Expenses

200 EXPENSES

FINANCIAL BUDGET AND CAMPUS EMPLOYMENT

Southern College strives to give every student the opportunity to obtain a Christian education. The administrators and Financial Aid Office personnel will make every effort to assist students in meeting their financial obligations in order to reach this goal.

The Director of Financial Aid will assist in financial planning by helping students to obtain employment on the Collegedale campus (see labor regulations on page 209) and financial aid in the form of grants, loans, and scholarships. Before each registration EACH student must submit a payment agreement to the Student Accounts Office showing how he will finance his college expenses.

Information on student costs and means of paying those costs is given below to assist the student in financial planning.

STUDENT COSTS

Tuition 1987-88:

Students taking 1-11 semester hours will be charged at a rate of \$230 per semester hour. Students taking 12-16 semester hours will be charged \$2,750. Additional hours will be charged at the rate of \$175 per semester hour.

ESTIMATED STUDENT BUDGET

Tuition (Based on 12-16 hours per semester)	\$5,500
Books, Supplies, and Miscellaneous	390
Resident Hall	1,096
Food (\$175/month average) (monthly minimum charge \$75)	1,400
TOTAL	\$8,386*

*With financial aid and/or labor, this total figure can be substantially reduced.

FAMILY REBATE

When two students from the same immediate family are in attendance at SC each taking eight semester hours or more and having the same financial sponsor, a tuition rebate of five percent will be applied to each statement. A 10 percent rebate will be applied when three or more students have the same financial sponsor and are taking eight or more semester hours each. Application forms for this rebate will be available at the Student Accounts Office.

MUSIC

Private music lessons are offered for academic credit by the music faculty of Southern College and qualified teaching instructors (contract teachers) from the Chattanooga area. Private lessons without academic credit are offered through the prep program of the Music Division to elementary and secondary students in the area. Teaching in the prep program is done by contract teachers and Southern College music students.

Enrollment for all music instruction must be for a full semester whether or not credit is desired. A minimum of twelve one-half hour lessons will be provided. No refund of tuition or lesson fees will be made after four weeks following registration.

MUSIC LESSON FEES

Private music lessons may be taken on a credit or noncredit basis. A student will receive thirteen half-hour lessons per semester for one hour of credit. The cost of such lessons is the regular tuition plus a \$90 music lesson fee per semester.

The noncredit music lesson fee is \$210 for thirteen half-hour lessons per semester.

Teachers are not expected to make up lessons missed because of unexcused absences.

Music majors who have obtained Freshman standing in their major performance area, who are taking or have completed MUCT 111:112; and who are in good and regular standing as music majors will have the music lesson fee waived.

Prep program students must register at the Department of Music office, pay in full at the Cashier's Office, and present the receipt to the Music Department office prior to scheduling lessons.

SPECIAL FEES AND CHARGES

The following special fees and charges are assessed separately inasmuch as they may not apply to all students nor do they occur regularly:

Application for admission (not refundable)	\$15.00
Approximate amount for tools and equipment:	
Technology classes	40 - 200
Auto body classes	300
Audit tuition	½ reg. tuition
Automobile parking fee (per semester) — dormitory	31.50
Automobile parking fee (per semester) — village	21.00
Motorcycle parking fee	21.00
Change of program	10.50
Credit by examination (per hour) Recording Fee	26.00

Expenses

202

Examinations:

Challenge or waiver	40.00
CLEP	30.00
Rescheduling mid-term or final	52.00
Graduation in absentia	41.50
Incomplete	6.00
Insufficient funds check	16.00
Late Registration	26.00
Late return of organizational uniform	16.00
(The full cost will be charged if irreparably damaged or not returned.)	
Nursing education fees*:	
Associate degree (per semester)	170.00
Baccalaureate degree	
(after completing Assoc. Degree)	
(per nursing semester hour)	10.00
Scuba	87.50
Student insurance	115.00
Spouse insurance	172.50
Child/children insurance	172.50
Transcript fee	2.00
One-day service	5.00

*Declared nursing majors enrolled in a nursing class.

STATEMENT CHARGES

The following items may be charged to the student's account:

- Books and required school supplies (maximum \$220 first semester and \$170 second semester). When a student reaches the maximum during the semester, all further books and supplies must be paid in cash.
- Private music instruction. Enrollment for all music instruction must be made through the Admissions Office for a full semester whether or not credit is desired. One semester hour of private music instruction consists of twelve one-half hour lessons. Refunds will be granted only when the instructor is not available for lessons.

HOUSING

Residence Hall Costs

Dormitory accommodations for single students cost \$1,096 for the eight-month school year and are charged on a semester basis in August and January. Room charges are based on two students occupying one room and include health and infirmary care.

A student may, upon application to the residence hall dean, be al-

lowed to room alone at an additional cost of \$200 per semester if sufficient rooms are available.

No refunds are made for vacation periods or absences from the campus. If a student drops classwork, a prorated portion of the semester charge beginning with the date of nonoccupancy of the room will be refunded.

Room Deposits

A \$100 room deposit, paid at time of application, is required of each dormitory student enrolling at Southern College. It should be paid initially by July 1 in order to insure a specific room reservation. The deposit will then be held by the college for the entire period including summers during which the student lives in a residence hall while attending the college and will insure a room for the student when he returns each fall.

If a student gives notice before July 1 that he will not be attending, his room deposit will be refunded. The room deposit will not be refunded after August 1. Damage or cleaning charges may also be charged to the student's account at the end of each academic year if necessary.

Married Student Housing Costs

College-owned apartments and mobile homes may be rented by married students taking a minimum of six hours each semester. The apartments range in size from two to six rooms and are unfurnished. Rents range from \$110 to \$230 per month. Trailer space is available at \$80 per month in the College Mobile Home Park for married students with their own trailer. Moving and parking charges are the responsibility of the owner. Storage facilities are available for an additional \$8 per month.

Rent charges are based on the date of issue and return of keys and proper clearance with the Housing Manager (Business Manager's Office). Married students renting either an apartment or a trailer from the college will be required to pay a housing deposit of \$125 of which \$50 is due with the housing application and the remaining \$75 at the time the apartment or trailer is rented. This deposit will be refunded after approval by the Housing Manager if the apartment or trailer is left clean and undamaged.

FOOD SERVICE

The cafeteria plan of boarding allows the student the privilege of choosing food and paying for what is selected. Board charges for students vary greatly. Students are encouraged to eat healthfully by avoiding between-meal snacks and by eating at the cafeteria or the Campus Kitchen where balanced meals are provided. Dormitory students will be charged a minimum of \$75 per month. Maximum allowable cafeteria charge will be \$190 per month. Exceptions must be cleared through the Student Accounts Office.

Expenses

204

ADVANCE PAYMENTS

Regular: An advance payment of \$800 is required before registration. For students residing in any dormitory housing, an additional \$100 is due before moving in. For new students entering second semester the advance payment is \$600, and all other appropriate charges are applicable. When a married couple enrolls for a combined total of seventeen semester hours or less of classwork, they will be charged only one advance payment. *The advance payment is credited back to the student's March account.* The advance payment with interest at the rate of 8% per annum from the date of payment will be credited to the student's account when the payment is refunded.

International Students: In addition to the regular advance payment listed above, international students are required to pay the following:

Supplemental International Student Payment: \$3,000 is required to be paid before an Immigration I-20 form will be issued. It will be held until the student terminates study at Southern College. This deposit is not a part of, but in addition to, the regular deposit required of all students entering Southern College.

Nursing Students: Upon acceptance to the clinical nursing program, students are required to send a nursing deposit of \$175. If a student applies for the nursing program but does not attend the college, or changes their major, the deposit is refundable if the Division of Nursing is notified by August 1. After August 1, the nursing deposit is not refundable.

ADVENTIST COLLEGES ABROAD FINANCIAL POLICY

Students wishing to study abroad under the Adventist Colleges Abroad (ACA) program must pay \$100 deposit with their admission application and sign the payment agreement in the Student Accounts Office stating that the required ACA charges for the year will be paid to Southern College before departure from the states.

METHOD OF PAYMENT

Community students and residence hall students may choose one of the three methods of payment below.

Payment Plan I. Cash in Advance. When the total estimated charges for tuition (minimum 6 hours), room, and board for a semester are paid in cash at registration, a discount of FIVE percent is allowed on this cash payment. Amounts paid as a result of student loans, grants, or scholarships are excluded from the amount on which the discount is allowed. Students choosing to pay cash in advance must bring with them at registration time the full amount required by the plan for the semester,

less any advance payments or credits. They will also need to bring sufficient funds for purchase of books and personal items.

Payment Plan II. Contract with Southern College. Students desiring to pay educational expenses in installments on a monthly basis may choose this plan.

Monthly statements will be issued about the fifth day of each calendar month. Cafeteria charges will be charged through the last day of each month. Accounts are due and payable upon receipt of statement according to the following schedule:

		Past Due Date
August statement	ONE-THIRD of (total charges less financial aid) less credits upon receipt of statement	September 20
September statement	ONE-HALF of (total charges less financial aid) less credits upon receipt of statement	October 20
October statement	TOTAL BALANCE of statement is due in full BEFORE semester examination permits will be issued.	November 20

Students with unpaid accounts on the 20th of the month will be subject to cancellation of registration and/or ID cards invalidated until account is current.

The above schedule of payment must be maintained since the college budget is based upon 100 percent collection of student charges.

A student cannot take semester examinations or register for a new semester until the account is current according to the preceding regulations. No transcript will be issued for a student whose account is not paid in full or who is delinquent in payment of student loans. **No exceptions will be made.**

The second semester statements and payment schedule will follow the same procedure as the first semester with the student's advance payment applied to the March statement.

		Past Due Date
January statement	ONE-THIRD of (total charges less financial aid) less credits upon receipt of statement	February 20
February statement	ONE-HALF of (total charges less financial aid) less credits upon receipt of statement	March 20
March statement	TOTAL BALANCE of statement is due in full BEFORE semester examination permits will be issued.	April 20

Payment Plan III. Contract with New Insured Tuition Payment Plan or Tuition Plan, Inc. Students and parents desiring to pay educational

expenses in monthly installments and to have the advantages of cash payment with the college may select a low-cost deferred payment program available through either the New Insured Tuition Payment Plan or Tuition Plan, Inc. The student's education is protected with life and disability insurance on the parents. For more information about the Plan, write to the Director of Student Financial Aid.

After considering the discount allowed by the college, the following benefits are realized at little, if any, cost to those entering under either plan:

1. A five percent cash discount is allowed each student entering under Payment Plan III if the college receives payment for the student at its regular disbursement time each semester.
2. The payments may be reduced to a minimum by being spread over 12 months or, in the case of a four-year contract, up to 96 months.
3. The contract may be cancelled at any time without penalty.
4. The account may be insured. In the event of death or total disability of the person responsible for payments, the balance of an insured contract is paid in full.

At the time of figuring the contracts, students may choose to include in their contract sufficient cash to cover books, fees, school supplies, etc. Any items not included in the contract plan chosen must be paid for in cash at the time they are received or arranged.

The plan is open to employed parents and bona fide sponsors, and all arrangements should be made several months before registration in order to be assured of the five percent discount. Sufficient cash must also be brought to cover items not included in the contract.

Those desiring further information covering these deferred payment plans may contact the Director of Student Financial Aid.

REFUND POLICY

Complete Withdrawal from Classes

A student who withdraws from all schoolwork during the semester will receive a tuition refund based on the date the completed withdrawal form with all the required signatures is filed with the Records Office. Tuition refunds are calculated as follows:

First five (5) school days of the semester	95%
Sixth through 37th school day of the semester	3% less per day
No refunds after the 37th school day of the semester.	

Registration Changes

Refunds of tuition for semester hours dropped are made according to the date the drop form with all the required signatures is filed with the Records Office. Tuition refunds are calculated as follows:

First five (5) school days of the semester	95%
Sixth through 24th school day of the semester	5% less per day
No refunds after the 24th school day of the semester.	

Shortened School Term (Summer or Other) Withdrawals and Changes

Tuition refunds for classes dropped in a summer, or other session less than a semester in length, will be prorated on a base of one-half of the number of school days in the school term.

CREDIT REFUND POLICY

Credit balances are refundable, on request, 30 days after the monthly statement is received for the last month the student was in school in order to be certain that all charges have been processed. For example, if a student drops out of school in December, a full credit refund would not be made until after the January statement is prepared during the first week of February. When the credit balance is large, a portion may be refunded earlier upon request to the Student Accounts Office.

If the student has received financial aid during the current semester, any credit balance will be credited to the aid funds, according to the Financial Aid Refund Policy (see page 216). Cash refunds will not be made to the student without authorization from the parent or financial sponsor.

COLLECTION POLICY

Students completing or terminating their studies with the college are requested to make arrangements for payment of unpaid accounts. If arrangements are not made within 120 days after a student leaves Southern College, the unpaid account balance will be submitted to a collection agency or attorney. Prompt payment of accounts build credit ratings which will be important to you in the future, since delinquent accounts are reported to the Credit Bureau systems.

INTEREST

Currently enrolled students will be charged interest at a rate of $\frac{3}{4}$ of 1% per month (9% APR) on any past-due balance still outstanding by the end of the month wherein payment is due.

A carrying charge of 1% per month (12% APR) will be added to all unpaid balances of 60 days or more for students not enrolled in school.

HEALTH INSURANCE

Southern College requires that students be covered by health insurance. Students who are covered with a similar insurance plan may,

during registration, make a request of Health Service to be excluded from the student group health insurance. Such students will need to supply, at that time, written evidence from their parent's employer or local insurance agent which contains the company name and policy number under which they are covered, otherwise, coverage must be purchased through the college health insurance plan.

BANKRUPTCY

Recognizing that the discharge of a debt through bankruptcy proceedings prohibits a creditor from subsequently pursuing the collection of the debt, the college, upon notification of such discharge of a student's current school or loan account(s), complies with this legal prohibition. At the same time such discharge in bankruptcy does not require further performance of service by the creditor and, therefore, a student who has had debts to the college discharged in this manner may not receive a transcript of academic work or additional Financial Aid at the college until the debt is paid.

TRANSCRIPTS, DIPLOMAS AND TEST SCORES

It is the policy of the college to withhold transcripts, diplomas, test scores, certificates of completion, and other records if a student has an unpaid account at the school, or any unpaid account for which the college has co-signed. To expedite the release of these documents, the student should send a money order or certified check to cover the balance of the account when requesting the documents. Under provisions of federal loan programs Southern College withholds any records when payments for these loans become past due or in default.

NON-LIABILITY FOR PERSONAL EFFECTS

When determining what to bring to campus, please remember that the college is not responsible for the personal effects of any student even though such effects may be required by the college for student use, or required by the college to be stored in a designated location. College-carried insurance does not insure the personal effects of any individual. The college recommends that students consider carrying insurance to cover such losses.

WORKER'S COMPENSATION INSURANCE

As provided by the laws of the State of Tennessee, the college carries worker's compensation insurance to protect all employees in case of work-connected accidents.

BANKING AND CASH WITHDRAWALS

The Accounting Office operates a no-charge deposit banking service for the convenience of the student. **Financial sponsors should provide students with sufficient funds through the banking service to cover the cost of personal items of an incidental nature and travel expenses off campus including vacation periods.** Withdrawals may be made by the student in person only as long as there is a credit balance. These deposit accounts are entirely separate from the student's regular school expense account.

STUDENT LABOR REGULATIONS

Work opportunities for students are available in departments and industries operated by the college and local private businesses. These employing agencies must serve their customers daily, necessitating a uniform work force. Student employees are responsible for meeting all work appointments, including during examination weeks, and to maintain satisfactory job performance. Work superintendents reserve the right to dismiss students if their service and work record is unsatisfactory. Should a student find it necessary to be absent from work, he must make arrangements with his work superintendent and Student Health Service if he is ill.

Residence hall students are given preference in the assignment of work. Student Employment Office personnel will assist students in finding jobs providing the student arranges a class schedule that allows "blocks" of time for work, is physically able and willing to accept any job offer since the college is unable to provide "preference" work. Students must be enrolled for a minimum of six semester hours to be eligible for campus work.

When a student accepts employment, he is expected to retain it for the entire semester except in cases where changes are recommended by the school nurse or Student Employment Office. Should a student receive opportunities for more favorable employment during a school term, the transfer must be made through the Student Employment Office and the two employing organizations. If a student's financial plan requires him to work, he must NOT drop his work schedule without making proper arrangements with the Student Employment Office. To do so could result in suspension from class attendance and invalidation of ID card until proper arrangements are made.

The student pay rate is not less than student rates set by the government wage-hour law. It may be higher if a student possesses special skills or training and shows responsibility and consistency.

The following table is an example of earnings for students who work 30 weeks during the school year.

Expenses

210

Hours Worked Per Week	Wage Per Hour	Total Earnings For Year
10	\$3.35	\$1,005
10	\$3.50	\$1,050
10	\$4.00	\$1,200
10	\$4.35	\$1,305
15	\$3.35	\$1,507
15	\$3.50	\$1,575
15	\$4.00	\$1,800
15	\$4.35	\$1,958
20	\$3.35	\$2,010
20	\$3.50	\$2,100
20	\$4.00	\$2,400
20	\$4.35	\$2,610

Students may also work off campus with permission from the Vice President for Student Services. Permission will not be granted for off-campus employment that could be detrimental to a student's health or character development.

WORK INCENTIVE SCHOLARSHIP

In order for a student to qualify for a \$200.00 work incentive scholarship, the student must meet the following criteria:

1. Work at least 12 hours per week and 180 hours per semester between the hours of 6:00 a.m. and 12:00 noon.
2. All work must be performed in at least 3-hour blocks at an on-campus employer or at an off-campus non-profit agency (work-study).
3. The student must take at least 8 hours of academic credit (which can be anytime of the day) at Southern College.
4. All academic course work for the semester in addition to the 8 hours must also be taken at Southern College.
5. The bonus must be applied for at the end of the semester and approved by the work superintendent.
6. The approval of this bonus will be processed by the labor office and also approved by the Financial Aid Office.
7. This bonus is based on the assumption that a job is available and the student meets all of the above criteria.
8. The work incentive scholarship is in addition to the regular hourly wage received.
9. Southern College in no way guarantees that there will be enough jobs to meet the criteria of 1 and 2. Since there are a limited number of jobs in the morning, it is up to the student and the work superin-

tendent to work out a work schedule that satisfactorily meets these criteria.

LABOR FOR FOREIGN STUDENTS

Foreign students on non-immigrant visas are required by law to secure permission before accepting any off-campus employment. Foreign students with student visas are allowed to work on campus up to twenty hours a week. Wives may work only if they have student visas of their own or have immigrant visas.

STUDENT TITHING

SC encourages the payment of tithe and church expense by its student workers. In order to facilitate this practice, arrangements may be made by the student (except for those employed in the Federal Work-Study Program) to have ten percent of his school earnings charged to his account as tithe and two percent for church expense. These funds are then transferred by the college to the treasurer of the Collegedale Seventh-day Adventist Church.

HALF-PRICE TUITION PLAN

A special half-price tuition plan has been established for **baccalaureate graduates** who wish to continue studies at Southern College in order to pursue another major, enter a pre-professional program, or update their skills. The provisions that apply are:

1. To be eligible for tuition at half price, students must have earned a bachelor's degree from an accredited college or university and have a clear transcript, with accounts and loan payments up-to-date with the college or university.
2. Regular admission criteria apply to this program. Completed applications, college transcripts, and recommendations must be on file in the Admissions Office of Southern College no later than two weeks prior to the beginning of the semester for which the graduate is applying.
3. Students wishing financial aid must apply through the Financial Aid Office.
4. This plan is applicable to classes where space is available and where the hiring of new faculty or staff is not required. The half-price offer does not include private music lessons, independent study, directed study, student teaching, internships, nursing, or a program where a tuition discount is already in effect.
5. Since the half-price offer is for tuition only, it does not apply to lab fees, surcharges for applicable courses, dormitory charges, or cafeteria charges.

Expenses

212

6. Southern College reserves the right to discontinue this special tuition offer at the discretion of the college administration.
7. A Senior Citizen Tuition Plan is available. Senior citizens (65 years of age and older) may register for classes for credit for \$30 per semester hour (\$15 per hour for auditing). This plan is applicable to classes where space is available.

Foreign students on non-immigrant visas are permitted to work on campus up to twenty hours a week. Wives may work only if they have student visas of their own or have immigrant visas.

15

\$4.35

20

\$5.35

20

\$5.35

STUDENT TUITION

SC encourages the payment of tuition and church expenses by its student workers in order to facilitate this practice, arrangements may be made by the student except for those employed in the Federal Work Study Program to have an amount of their earnings charged to their student account as tuition and two percent for church expenses. These funds are then transferred by the college to the treasurer of the College Seventh-day Adventist Church.

HALF-PRICE TUITION PLAN

A special half-price tuition plan has been established for baccalaureate graduates who wish to continue studies at Southern College in order to pursue a master's degree, enter a pre-professional program, or update their skills. The provisions of this plan apply to students who have earned a baccalaureate degree from a regionally accredited college or university and have a clear transcript with accounts and loan payments up-to-date.

1. Regular admission criteria apply to the program. Completed applications and transcripts must be submitted to the Admissions Office of Southern College no later than two weeks prior to the beginning of the semester for which the graduate is applying.
2. Students wishing financial aid must apply through the Financial Aid Office.
3. This plan is applicable to classes where space is available and when the hiring of new faculty or staff is not required. The half-price offer does not include private music lessons, independent study, directed study, student teaching, internships, or a program where a tuition discount is already in effect.
4. Since the half-price offer is for tuition only, it does not apply to lab fees, purchase of applicable course materials, charges or cafeteria charges.

FINANCIAL AID

213

Southern College provides financial aid for students in the form of loans, grants, scholarships, and employment. No applicant for financial aid will be denied assistance on the basis of sex, race, color, national origin, or ethnic group. The Financial Aid Office follows established procedures and practices which will assure equitable and consistent treatment of all applicants.

Students are urged to contact the Director of Student Financial Aid, P.O. Box 370, Collegedale, Tennessee 37315-0370, for information about and applications for financial aid. Applications received by May 30 will be given preference. Applications received after May 30 will be processed as long as time and funds permit.

General Requirements. Financial aid awards are made for one academic year to students who are accepted for admission, plan to take at least twelve semester hours of classwork each semester, and demonstrate financial need. Class load exceptions must be approved by the Financial Aid Office. Recipients of government aid must hold U.S. **citizenship** or a permanent visa. (Visa documents must be presented upon request.) Students desiring aid must reapply each year.

Financial Need Requirements. The financial aid program is administered in conjunction with the nationally-established policy and philosophy which is that **the parents are the primary and responsible source for helping a student to meet his educational costs.** Financial aid is available to help fill the gap between the student's own resources (parental contribution, summer earnings, and savings) and the total cost of attending Southern College. The amount of parental contribution is based on the family's net income, number of dependents, allowable expenses, indebtedness, and assets. The Family Financial Need Analysis from the American College Testing Program or College Scholarship Service is used in determining a student's eligibility for financial aid.

Exceptions to the financial need requirements are private scholarships awarded on the basis of academic achievement.

Academic Requirements. In order to be eligible for financial aid, recipient must maintain satisfactory academic progress. Satisfactory academic progress is defined as maintaining a cumulative and resident grade point average of 2.0. If a student does not maintain satisfactory academic progress or fails to attend classes, prepare and submit required classwork, or take required examinations, financial aid will be suspended.

If a student whose financial aid has been suspended for any of the above reasons feels that unusual and unavoidable circumstances led to this suspension, the suspension may be appealed to the Loan and Schol-

arship Committee. This policy is generally applied to financial aid from institutional and private sources as well as federal programs.

SOUTHERN COLLEGE ACADEMIC PROGRESS FOR FEDERAL AND INSTITUTIONAL STUDENT FINANCIAL AID

To be eligible for Federal and/or Institutional financial aid, a student must maintain measurable satisfactory academic progress. Students are expected to:

1. Complete a minimum of 25 semester hours per award year, (July 1 - June 30). This will allow up to 5 years maximum for completion of a 4-year degree, and 3 years maximum to complete a 2-year degree.
2. Maintain a minimum Southern College and cumulative GPA of 2.00.

Financial Aid Academic Probation Policy

1. Students who fail to maintain "Satisfactory Academic Progress" will be placed on financial aid probation the following semester. The recipient must appear before a financial aid counselor before aid will be released for the probationary semester. This aid is subject to adjustment or cancellation.
2. A minimum Southern College and cumulative 2.00 GPA must be attained by the end of the probation semester or financial aid will be suspended.

Procedure for Appeal and Reinstatement of Financial Aid

Students may submit a written appeal to the Financial Aid Committee describing the circumstances which attributed to their failure to make academic progress. This appeal must also include an outlined program of commitment to meet measurable satisfactory academic requirements.

When financial aid is suspended, a request for reinstatement may be made when the student has completed a minimum of 12 additional semester hours with a minimum 2.50 GPA, or when Southern College and overall GPA has been brought up to 2.00.

Provisions for Transfer Students

Financial aid for students transferring from other institutions will be determined by their academic standing, which will be calculated on all hours they have attempted. A student with a minimum grade point average of 2.00 will be eligible for aid. Students with an average below 2.00 will be on financial aid probation provided they were eligible for continuing aid at the institution from which they transferred.

If financial aid had been suspended at the previous institution, they must follow Southern College procedure for appeal and reinstatement of financial aid.

FINANCIAL AID APPLICATION PROCEDURES

To apply for all types of financial aid, the following documents must be submitted annually for the federal, state, and institutional aid programs:

1. The Family Financial Statement (FFS) of the American College Testing Program or the Financial Aid Form (FAF) of the College Scholarship Service.
2. The Southern College application for financial aid.
3. Southern College admissions application.
4. The financial aid transcript (required only of students who attended other colleges or universities before coming to Southern College).
5. Copies of parents' income tax return (exact signed copies of all schedules and W-2 forms sent to IRS) for the preceding calendar year. (Required of dependent students only).
6. Copies of student income tax return including W-2 forms.
7. Guaranteed Student Loan applications from home town lender. (Southern College has arranged for last resort lenders for students whose home town lenders do not participate in the GSL program or for any reason refuse to make the loan).

Applications are available in January of each year and may be obtained by contacting Southern College Financial Aid Office. Students are urged to complete applications as early as possible after the family income tax returns have been completed. Income tax returns only have to be completed, not necessarily mailed to IRS before submitting the financial aid application.

Financial Aid Award Procedures

Financial aid awards are made on a rolling basis, as long as funds are available, with the neediest students receiving priority of funds. The financial aid award package will usually consist of: 1) work, 2) loan, 3) grant or scholarship.

An official award notice will be sent to each applicant. To confirm and reserve the funds offered, the student must return the signed acceptance of the award within ten days of receipt of award letter.

Disbursement of Financial Aid Funds

Financial aid awards are disbursed equally at the beginning of each semester. Students must sign vouchers, and other documents necessary to have funds released to statements, at the disbursement office in Wright Hall. Funds cannot be credited to student statements until this procedure is followed.

Financial Aid Overawards

When financial aid recipients receive additional resources not in-

cluded in the financial aid award letter, they must be reported to the Office of Student Financial Aid. Federal Regulations prohibit "over-awards" therefore, when total of all resources exceed the allowable student budget, financial aid awards must be adjusted. When financial aid funds have already been credited to the student's statement, any refunds due or overawards will be charged to the student's account.

STUDENT FINANCIAL AID REFUND AND REPAYMENT POLICIES

Financial Aid Refund Policy

The refund policy for students withdrawing from classes is outlined on page 206.

Since financial aid is considered to be used first for direct educational costs (tuition, books, room, and board), when a student withdraws from classes and under the refund policy receives a refund of tuition and room rent, the refund will be used to reimburse the financial aid credited to the student account. The allocation of the refund will be applied as follows (according to the refund formula):

1. SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT
2. NATIONAL DIRECT STUDENT LOAN
3. GUARANTEED STUDENT LOAN
4. PARENT STUDENT LOAN
5. PELL GRANT
6. STATE GRANT
7. INSTITUTIONAL SCHOLARSHIPS AND LOANS
8. PRIVATE SCHOLARSHIPS
9. PARENTS/STUDENT

Refund Formula:

Total amount of Federal and State financial aid
(excluding employment) awarded for period

Total amount of all financial aid awarded for
period (excluding employment)

Rationale for Allocation of Refund and Repayment Formula

According to the order of allocation:

1. Supplemental Educational Opportunity Grant — These funds are very limited and can be re-awarded to needy students who may have had to take two loans due to the lack of grant funds.
2. National Direct Student Loan — To reduce the amount of debt to the student, and the recovery of funds can be re-awarded to other needy students.
3. Guaranteed Student Loan — It is to the student's advantage to reduce the amount of debt that will have to be repaid.
4. Parent Loans — These loans are obtained by parents generally to offset or reduce their expected contribution.
5. Pell Grants are from an entitlement program and cannot be re-awarded.

6. Recipients of State Grants are generally recipients of Pell Grants.
7. Institutional scholarships and loan funds are very limited, therefore these funds can be re-allocated to other students.
8. Private scholarships are usually based on achievement and not need.
9. Parents and students are primarily responsible for educational expenses.

Financial Aid Repayment Policy

There are specific repayment policies for students who withdraw and have received financial aid in excess of direct educational costs. An example would be the student who received Guaranteed Student Loan, and did not use the full amount for educational costs. A student owing a repayment to any Federally funded student aid program cannot receive any type of Federal student aid for future enrollment periods until repayments have been made.

VETERANS

Southern College is approved for the training of veterans as an accredited training institution. Those who qualify for educational benefits should contact the nearest Veterans Administration office.

Veterans or other eligible persons are required to attend classes in order to be eligible for educational benefits. Southern College is required to report promptly to the V.A. the last day of attendance when an eligible student withdraws or stops attending classes regularly.

A recipient may not receive benefits for any course that does not fulfill requirements for his stated degree and major. Audited courses, non-credit courses (except for a required remedial course), and correspondence work cannot be certified.

Educational benefits will be discontinued when the recipient accumulates twelve semester hours of failing and "D" grades in the major, minor, and courses required for educational certification or when he is subject to academic dismissal. (See page 25.) Benefits may be resumed only after the individual has obtained V.A. counseling and approval.

TYPES OF FINANCIAL AID

Scholarships

General Institutional Scholarships

Southern College institutional scholarships are awarded from 29 different scholarship funds to students who have financial need, are achieving academically, and are working part time. These awards usually range from \$200 to \$1,000 per year depending upon the student's need and availability of funds.

Financial Aid

218

The following scholarships are awarded to eligible students regardless of financial need:

ACADEMIC SCHOLARSHIPS are awarded to incoming freshmen who graduate with a 3.50 or higher GPA from academies or secondary schools, are recommended by their faculty, and enroll at Southern College for a minimum of twelve semester hours.

LEADERSHIP SCHOLARSHIPS of \$400 are awarded to incoming freshmen who have served as S.A. President, S.A. Vice-President, S.A. Spiritual Vice-President, Senior Class President, Yearbook Editor, School Paper Editor, and enroll at Southern College for a minimum of twelve semester hours. A student who has held more than one leadership position will receive one leadership award of \$500.

NATIONAL ACADEMIC RECOGNITION AWARDS are awarded to finalists in the National Merit contest in the amount of \$1,200 and semi-finalists are awarded \$800. Students must enroll at Southern College for a minimum of twelve semester hours. A student who is a recipient of a NARA will not be eligible to also receive an academic scholarship. It will be one or the other—whichever is greater, plus \$100.

ACT SCHOLARSHIPS — Incoming freshmen with a composite score of 25-28 are eligible for a \$600 award if they maintain a college GPA of 3.00 each semester of the first year they are enrolled at Southern College. Incoming freshmen with a composite score of 29-36 are eligible for a \$750 award if they maintain a college GPA of 3.25 each semester of the first year they are enrolled at Southern College. Students must enroll at Southern College for a minimum of twelve semester hours. An ACT Scholarship will be given only if the student does not qualify for an Academic Scholarship.

SUMMER CAMP SCHOLARSHIPS — Students participating in conference-sponsored summer camp programs will receive credit from Southern College for 33.33 percent of the net amount receipted to the student's statement.

Grants

THE PELL GRANT PROGRAM is a federal program which provides grant assistance directly to eligible first-degree undergraduate students. A student's eligibility for a Pell Grant is based on a congressionally-approved formula which considers family financial circumstances.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT — Limited funds are available to students with exceptional financial need.

STATE STUDENT INCENTIVE GRANTS — These grants are made possible from federal and state funds to the residents of Alaska, Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Jersey, Oklahoma, Pennsylvania, Rhode Island, Tennessee, Vermont, Washington, and West Virginia. Check with your state grant agency for additional information.

Loans

NATIONAL DIRECT STUDENT LOAN — Under this program, students can borrow money from the federal government, through the school. Repayment and 5 percent interest begin six months after a student graduates, leaves school, or drops below half-time enrollment.

FEDERAL NURSING STUDENT LOANS are available to nursing students only. Repayment and six percent interest begin six months after a student graduates, leaves school, or drops below half-time enrollment.

GUARANTEED STUDENT LOANS are available through lending agencies in each of the states. A student may borrow from a bank, savings and loan association, credit union, or other lender, and the state agency will guarantee the loan. A student whose family adjusted gross income is \$30,000 or less may, without undergoing a financial needs test, borrow up to \$2,500 per year to a total of \$12,500 for undergraduate study. When income levels are greater than \$30,000 the student must meet a "needs" test. The federal government pays the interest on the loan while the student is in school. Repayment and 8 percent interest begin six months after a student graduates, leaves school, or drops below half-time enrollment.

PARENT LOANS (PLUS) — A parent or self-supporting student may borrow from a bank or other lender and a state or private non-profit agency will guarantee the loan. A parent may borrow \$3,000 per year to a limit of \$15,000. Repayment and 12 percent interest begin 60 days following the date of loan disbursement.

Repayment Example

	Amount of loan	Based on	Monthly Payments*
1st year	\$3,000	5 yrs.	\$ 66.73
2nd year	\$3,000	7 yrs.	\$105.91
3rd year	\$3,000	10 yrs.	\$129.12
4th year	\$3,000	10 yrs.	\$172.16

* Monthly payment includes cumulative principle and interest.

Work

COLLEGE WORK-STUDY PROGRAM — Under the work-study program, the employer pays a small part of the student's wages, and the government pays the rest. Most work-study positions are on campus. Students can work part time while they are in school, and they can work full time during the summer and other vacation periods. The basic pay rate is usually the current minimum wage; this may vary depending on the skill and experience needed for the job.

OTHER GRANTS, LOANS, AND SCHOLARSHIPS

The following grants, loans, and scholarships are available to students meeting the above requirements or having exceptional academic achievement. Details concerning amounts and qualifications for recipients of these funds can be obtained from the Director of Student Finance.

- Alumni Worthy Student Fund for juniors and seniors.
- Alvin Christensen Memorial Loan Fund for junior or senior biology or natural science majors.
- Appalachian Nursing Scholarship Fund for nursing students from the Appalachian Mountain region.
- Anton Julius Swenson Loan Fund.
- Burdick Scholarship Fund.
- Business Administration Scholarship Fund.
- Cartinhour Foundation Scholarship and Loan Fund.
- Chatlos Foundation Scholarship Fund for Florida nursing students.
- Conger Memorial Fund for education majors or minors.
- D. W. Hunter Scholarship and Loan Fund for theology students.
- Daina Griffin Nursing Scholarship Fund.
- DeWitt and Josie Bowen Scholarship Fund for graduating seniors from Bass Memorial Academy.
- Doctor Ambrose L. Suhrie Scholarship for elementary teachers.
- Dora McClellan Brown Scholarship Fund for theology majors.
- Dorothy and Harold Moody Scholarship Award for junior or senior history majors.
- Edith Munn Nursing Loan Fund for nursing students from Kentucky-Tennessee Conference.
- Edythe Stephenson Cothren Vocal Music Scholarship Fund for junior/senior voice majors or minors.
- Southern College Century II Endowment Fund.
- Frankie Collins Loan Fund for ministerial students.
- George Alden Nursing Scholarship Fund for Massachusetts nursing students.
- George B. and Olivia Dean Scholarship Fund for education majors.
- George White Scholarship Fund.
- Harry H. Goggans Scholarship Fund.
- Henson Nursing Scholarship Fund.
- Irad C. Levering Loan Fund for elementary and secondary education majors.
- Joseph Schermerhorn Memorial Loan Fund for students planning to serve as doctors, nurses, ministers, or teachers.

- K. W. Grader Nursing Scholarship Fund for Florida nursing students.
- Linda Beardsley Stevens Memorial Loan Fund for nursing students.
- Louise Hurt Memorial Scholarship Fund.
- Ludington Memorial Fund.
- Mitzelfelt Band Scholarship Fund for band members.
- 1969 Alumni Loan Fund for juniors and seniors.
- Nursing Magazine Scholarship Fund for nursing majors.
- O. D. and Anna Ruth McKee Scholarship Fund.
- Office Administration Scholarship Fund.
- Otto Christensen Fund for potential Bible instructors or theology majors.
- Paul Fisher Scholarship Fund.
- Penna S. S. Chong Memorial Scholarship Fund for Florida nursing students. (Preference for Far East resident students of Asiatic origin.)
- Reile-McAlexander Memorial Loan Fund for nursing students.
- Sanford and Martha Ulmer Scholarship Fund.
- Sudduth Memorial Fund for potential teachers.
- Tait Scholarship Fund.
- Theresa Brickman Scholarship Fund for office administration majors.
- William Iles Scholarship Fund.



THE REGISTRY

PRINCIPALS AND PRESIDENTS, 1892-1987

Principals of the Southern Industrial School

George C. Colcord	1892-1896
W. T. Bland	1896-1898
C. W. Irwin	1898-1900
N. W. Lawrence	1900-1901

Principals of Southern Training School

J. E. Tenney	1901-1908
M. B. Van Kirk	1908-1912
C. L. Stone	1912-1914
L. H. Wood	1914-1915
A. N. Atteberry	1915-1916

Presidents of Southern Junior College

Leo Thiel	1916-1918
L. H. Wood	1918-1922
Leo Thiel	1922-1925
H. H. Hamilton	1925 - Jan. 1927
M. E. Cady	Jan. 1927 - May 1927
H. J. Klooster	1927-1937
J. C. Thompson	1937-1942
D. E. Rebok	1942-1943
K. A. Wright	1943-1945

Presidents of Southern Missionary College

K. A. Wright	1945-1955
T. W. Walters	1955-1958
C. N. Rees	1958-1967
Wilbert Schneider	1967-1971
Frank A. Knittel	1971-1982

Presidents of Southern College of Seventh-day Adventists

Frank A. Knittel	1982-1983
John Wagner	1983-1986
Donald R. Sahly	1986-

BOARD OF TRUSTEES

- * **A. C. McClure**, Chairman, Decatur, Georgia, Southern Union Conference President
- Eugene A. Anderson**, Atlanta, Southern Saw Service, Inc., Board Chairman
- Mardian Blair**, Orlando, Adventist Health System/U.S. Vice President
- James W. Boyle**, Orlando, Adventist Health System/Sunbelt Executive Vice President
- Tom Campbell**, Bradford, Tennessee, Physician
- * **Richard Center**, Decatur, Georgia, Southern Union Conference Treasurer
- Edythe Cothren**, Ooltewah, Tennessee, Retired musician, educator
- Merrill Dart**, Englewood, Colorado, Physician
- C. E. Dudley**, Nashville, Tennessee, South Central Conference President
- J. A. Edgecombe**, Altamonte Springs, Florida, Southeastern Conference President
- ** **Charles Fleming**, Collegedale, Tennessee, Collegedale Interiors Chairman of the Board
- Robert Folkenberg**, Charlotte, North Carolina, Carolina Conference President
- * **William A. Geary**, Calhoun, Georgia, Georgia-Cumberland Conference President
- Malcolm D. Gordon**, Orlando, Florida, Florida Conference President
- * **D. K. Griffith**, Decatur, Georgia, Southern Union Conference Educational Secretary
- R. B. Hairston**, Atlanta, Georgia, South Atlantic Conference President
- Richard Hallock**, Montgomery, Alabama, Gulf States Conference President
- William Hulsey**, Collegedale, Tennessee, Collegedale Casework, Inc., President
- William Iles**, Orlando, Florida, Florida Hospital Assistant to President
- O. R. Johnson**, Jackson, Mississippi, Noel's Auto Electric, Inc., Treasurer
- Robert Lorren**, Collegedale, Tennessee, Dentist, Alumni Association President
- J. C. McElroy, Jr.**, Cuba, Alabama, Rush Foundation President
- Bill McGhinnis**, Ooltewah, Tennessee, Central Bank Senior Vice President
- * **Ellsworth McKee**, Collegedale, Tennessee, McKee Baking Company President
- ** **O. D. McKee**, Collegedale, Tennessee, McKee Baking Company Chairman of the Board

Board of Trustees / College Administration

225

- Denzil McNeilus**, Dodge Center, Minnesota, McNeilus Companies
Executive Vice President
- Harold Moody**, Spartanburg, South Carolina, Physician
- Harvey W. Murphy**, Wilson, North Carolina, Murphy Manufacturing
Company President, Retired
- Robert Murphy**, Longwood, Florida, Murphy Construction Company
President
- *Forrest Preston**, Cleveland, Tennessee, Life Care Centers of America
Chairman of the Board
- Winton Preston**, Cleveland, Tennessee, Preston Graphic
Communications President
- *Donald R. Sahly**, Collegedale, Tennessee, Southern College President
- Clinton Shankel**, Madison, Tennessee, Kentucky-Tennessee
Conference President
- *Ward Sumpter**, Decatur, Georgia, Southern Union Conference
Secretary
- *Martha Ulmer**, Lansdale, Pennsylvania, Retired
- Tom Werner**, Orlando, Florida, Florida Hospital President
- J. Henson Whitehead**, Jemison, Alabama, Retired
- Bonnie Wilkens**, Pioneer, Tennessee, Registered Nurse

* Members of the Executive Board

** Honorary Trustees

COLLEGE ADMINISTRATION

PRESIDENT

- Donald R. Sahly**, Ed.D. (1986) President
- Jeanne Davis** (1970) President's Secretary

ACADEMIC ADMINISTRATION

- William M. Allen**, Ph.D. (1984) Senior Vice President for
Academic Administration

Records

- Mary Elam**, M.A. (1965) Director of Records

Library

- Peggy Bennett**, M.S.L.S. (1971) Director of Libraries
- Loranne Grace**, M.L.S. (1970) Associate Librarian
- Katye Hunt**, M.S.L.S. (1976) Director, ANGEL Program
- Patricia Morrison**, M.L.S. (1981) Assistant Librarian
- Marianne Wooley**, M.S.L.S. (1966) Assistant Librarian
(Orlando Campus)

College Administration

226

Instructional Media

Frank Di Memmo, M.S. (1980) Director, Instructional Media

ADMISSIONS AND PUBLIC RELATIONS

Ronald Barrow, Ph.D. (1979) Vice President for
Admissions and College Relations

Merlin Wittenberg, M.Ed. (1984) Associate Director of
Recruitment

Public Relations

Doris Burdick, B.A. (1983) Director, Public Relations

Student Finance and Accounts

Laurel Wells (1964) Director, Student Finance

Randall White, B.S. (1978) Director, Student Accounts

BUSINESS SERVICES

Kenneth Spears, M.B.A. (1963) . Senior Vice President for Finance

Helen Durichek, B.A. (1986) Assistant Vice President for
Finance

Financial and Accounting Services

Robert Merchant, M.B.A., C.P.A. (1961) Treasurer

Louesa Peters, B.A. (1964) . Chief Accountant, Assistant Treasurer

Commercial Auxiliaries

Roy Dingle, A.S. (1974) Bakery Manager, Village Market

Judith Henderson, B.S. (1981) Manager, Campus Shop

Dan McBroom (1957) Associate Manager, The College Press

Allen Olsen (1984) General Manager, The College Press

Larry Rice, B.A. (1959) Assistant Manager, The College Press

Don Spears (1984) Manager, Supreme Broom Company

Bruce Vogt, B.S. (1986) .. Production Manager, The College Press

Charles Whidden (1984) Manager, Village Market

Computer Services

John Beckett, B.A. (1975) Director, Computer Services

Judy DeLay, B.A. (1982) Analyst/Programmer

William Estep (1979) Computer Operations Manager

Service Auxiliaries

Charles Lucas (1984) Director, Physical Plant

Earl Evans, B.S. (1977) Director, Food Service

C. R. Lacey (1970) Director, Grounds

William McKinney (1974) Director, Motor Pool

Clarence McCandless (1979) Director, Custodial Services

WSMC FM90.5

..... General Manager, WSMC FM90.5
Gerald Peel, B.A. (1985) Station Relations Director, WSMC

STUDENT SERVICES

Kenneth R. Davis, M.A. (1970) Vice President for Student Services

Residence Halls

Stan Hobbs, B.A. (1985) Associate Dean of Men
Ron Qualley, B.S. (1980) Dean of Men
Jeanette Bryson, M.A. (1986) Associate Dean of Women
Sharon Engel (1986) Dean of Women
Kassandra Krause, A.S. (1987) Associate Dean of Women

Counseling

K. R. Davis, M.A. (1970) Director of Counseling and Testing
Rhea Rolfe, M.A. (1972) Counselor

Health Service

Eleanor Hanson, R.N. (1966) Director, Health Service
Waldemar Kutzner, M.D. (1974) College Physician

Security

Clifford Myers, Sr. (1968) Director, Security

DEVELOPMENT AND ALUMNI RELATIONS

Jack McClarty, Ed.D. (1972, 1980) Vice President
for Development and Alumni Relations
William H. Taylor, M.A. (1958) .. Director, Endowment Campaign

COLLEGE PASTORS

Gordon Bietz, D.Min. (1981) Pastor
James Herman, B.A. (1976) College Chaplain
Ken Rogers, B.A. (1986) Youth Pastor
Rolland Ruf, B.A. (1969) Associate College Pastor
Ed Wright, M.Div. (1985) Family Ministries Pastor

Ben Bandiola, Professor of Education and Psychology, Southern College
of Seventh-day Adventists
Gerald Colvin, Professor of Education and Psychology, Southern
College of Seventh-day Adventists
Jim Epperson, Superintendent of Education, Georgia-Cambridge
Conference of Seventh-day Adventists
D. K. Griffith, Director of Education, Southern Union Conference of
Seventh-day Adventists
Carole Haynes, Director of Teaching Learning Center, Southern College
of Seventh-day Adventists

Student Directory

228

STUDENT DIRECTORY

(Statistics for Fall Semester, 1986)

CLASS STANDING

Freshmen	344	25.9%
2nd Yr. Fresh.	58	4.4%
Sophomores	273	20.6%
Juniors	260	19.6%
Non-Grad. Sen.	36	2.7%
Bacc. Seniors	147	11.1%
Assoc. Seniors	117	8.8%
Post Graduate	19	1.4%
Special	73	5.5%
Total	1,327	100.0%

STUDENT PROFILE

Gender		
Female	783	59.0%
Male	544	41.0%
Citizenship		
U. S.	1,233	92.9%
Non-U.S.	94	7.1%
Marital Status		
Unmarried	1,156	87.1%
Married	171	12.9%
Religion		
SDA	1,222	92.1%
Non-SDA	105	7.9%
Race/Ethnic Origin		
Caucasian	1,068	80.5%
Black	142	10.7%
Hispanic	72	5.4%
Oriental	41	3.1%
Black	142	10.7%
Am. Indian	4	.3%

STUDENT AGE

16	4	.3%
17	70	5.3%
18	199	15.0%
19	307	23.1%
20	204	15.4%
21	128	9.6%
22	99	7.5%
23	61	4.6%
24	40	3.0%
25-30	116	8.7%
31-45	76	5.7%
46-60	17	1.3%
60-up	6	.5%

MAJORS

Business & Technology		
Business Admin.	245	16.8%
Office Admin. Technology	66	4.5%
Human Development	16	1.1%
Behavioral Science		
Behavioral Science	83	5.6%
Education	67	4.6%
Health, P.E. & Rec.		
Health, P.E. & Rec.	24	1.7%
Home Economics		
Home Economics	17	1.2%
Humanities		
Art	13	.9%
Communication	51	3.5%
English	19	1.3%
History	25	1.7%
Modern Language		
Modern Language	8	.5%
Music		
Music	22	1.5%
Nursing		
Nursing	134	9.2%
Baccalaureate Associate	182	12.4%
Religion		
Religion	20	1.4%
Non-Ministerial Ministerial	56	3.8%
Science		
Science	52	3.5%
Allied Health	62	4.2%
Biology	23	1.6%
Chemistry	65	4.4%
Computer Sci.	15	1.0%
Mathematics	18	1.2%
Medical Tech.	14	1.0%
Physics	4	.3%
General Studies		
General Studies	4	.3%
Other (Undeclared)		
Other (Undeclared)	161	11.0%

BUSINESS DEPARTMENT ADVISORY COUNCILS

229

ACCOUNTING:

Doug Bullard, Senior Auditor, Ernst & Whinny CPA Firm
Michael Creamer, Litton Industries
Ken Kochenower, Partner and Managing Partner, Cline, Brandt & Kochenower
Dennis Millburn, Undertreasurer, Florida Conference of SDA
Ed Reifsnyder, Vice President for Finance, Adventist Health Systems/U.S.

MANAGEMENT:

Grady Gant, Director, Chattanooga Manufacturing Association
James McElroy, Hospital Administrator, Cuba, Alabama
Bill McGhinnis, Central Bank Senior Vice President
Jack McKee, Vice President, McKee Baking Company
James Williams, Owner, Williams, Williams & Williams

LONG-TERM HEALTH CARE:

Paul Cinquemani, President, Adventist Living Centers
Marvin Midkiff, semi-retired, consultant for LTHC organizations
Clifford Port, Director, Administrator in Training Program, Life Care Centers of America
Forrest Preston, Chairman of the Board, Life Care Centers of America
Ben Wygal, President, Life Care Centers of America
Jan Rushing, Executive Vice President of Adventist Health System/Sunbelt, Chairman of the Board for Sunbelt Health Care Centers, Inc.

EDUCATION DEPARTMENT ADVISORY COUNCIL

Lyle Anderson, Superintendent of Education, Kentucky-Tennessee Conference of Seventh-day Adventists
Ben Bandiola, Professor of Education and Psychology, Southern College of Seventh-day Adventists
Gerald Colvin, Professor of Education and Psychology, Southern College of Seventh-day Adventists
Jim Epperson, Superintendent of Education, Georgia-Cumberland Conference of Seventh-day Adventists
D. K. Griffith, Director of Education, Southern Union Conference of Seventh-day Adventists
Carole Haynes, Director of Teaching Learning Center, Southern College of Seventh-day Adventists

Advisory Councils

230

- Howard Kennedy**, Principal, Spalding Elementary School
Norwida Marshall, Associate Director of Education, Southern Union
Conference of Seventh-day Adventists
Desmond Rice, Professor of Education, Southern College of Seventh-day
Adventists
Jeanette Stepanske, Associate Professor of Education, Southern College
of Seventh-day Adventists
Don Weatherall, Associate Director of Education, Southern Union
Conference of Seventh-day Adventists

ENGLISH DEPARTMENT ADVISORY COUNCIL

- Delmer Davis**, Chairman English Department, Andrews University
Pam Harris, Journalist, Former academy English teacher
Carolyn Kujawa, Former Professor of English, Columbia Union College
Evlyn Lindberg, Professor Emeritus, Southern College English
Department
Eilleen Meagher, Director of College Composition, University of
Tennessee at Chattanooga
Jodi VandeVere, English teacher, Collegedale Academy

HOME ECONOMICS DEPARTMENT ADVISORY COUNCIL

- Patricia Brogdon**, teacher, Patricia's Fine Fabrics
John L. Deppen, Manager of Research, McKee Baking Company
Cassandra Garner, private business
Rene Mote, Certified Color Consultant
Katharine Powell, Certified Kitchen Designer, teacher UTC
Patricia Rushing, Chairman, Hamilton County Committee on Aging
Darlene Schmitz, Director of Corporate Dietary Services, Adventist
Health Systems, Eastern and Middle America
Margaret Smith, Home Economics teacher, Hixson High School
Mary Tanner, Chairman, Home Economics Department, UTC

JOURNALISM DEPARTMENT ADVISORY COUNCIL

231

Frances Alexander, Community Relations Director,
Tennessee-American Water Company
Ed Buice, WTVB Channel 9 Television
Cecil R. Coffey, President and Chairman of the Board, Coffey
Communications
Carl W. Crawford, Manager, Nuclear Power Information, Tennessee
Valley Authority
Fred H. Gault, Jr., President, Gault and Associates of Chattanooga
Margaret Haberman, The Associated Press, Chattanooga, Tennessee
D. L. Hoover, The Cleveland Daily Banner
Beecher Hunter, Vice President, Communication, Life Care Centers
Marketing
Michael Loftin, The Chattanooga Times
Davis Lundy, Assistant Managing Editor, The Chattanooga Times
Howard McNeesh, Assistant General Manager, WTSI Channel 45
Television
Lee Meridith, News Director, WRCB Channel 3 Television
C. A. Oliphant, Ph.D., Professor of Journalism and Communication,
Southern College of Seventh-day Adventists
Joe Pardue, Marketing Designs
George Powell, Communication Director, Southern Union Conference
of Seventh-day Adventists
Stanley Warren, The Dalton Daily Citizen-News
Ray White, WDEF Television
Ron Wiggins, Vice President, Marketing, Life Care Centers Marketing

MINISTERIAL RECOMMENDATIONS ADVISORY COUNCIL

The Religion Faculty of Southern College of Seventh-day Adventists
Presidents of Conferences of the Southern Union
Ministerial Directors of Southern Union Conferences
Vice President for Student Affairs of Southern College of SDA
Dean of Men of Southern College of SDA
Dean of Women of Southern College of SDA
Pastor of Collegedale Seventh-day Adventist Church
Youth Pastor of Collegedale Seventh-day Adventist Church
Senior Evangelist for Southern Union Conference
Ministerial Director of Southern Union Conference
Director of Student Finance of Southern College of Seventh-day
Adventists
Two area lay members of the College Board

FACULTY EMERITI

Dorothy Evans Ackerman, M.Music, Associate Professor Emerita of Music

B.A., Atlantic Union College; M.Mus., University of Chattanooga.

Theresa Rose Brickman, M.Ed., Associate Professor Emerita of Secretarial Science

B.A., Union College; M.Ed., University of Oklahoma.

Olivia Brickman Dean, M.Ed., Associate Professor Emerita of Education

B.A., Union College; M.Ed., University of Oklahoma.

Charles Fleming, Jr., M.B.A., Business Manager Emeritus

B.A., Emmanuel Missionary College; M.B.A., Northwestern University.

R. E. Francis, B.D., Professor Emeritus of Religion

B.A., Columbia Union College; M.A., Andrews University; B.D., Andrews University.

Cyril F. W. Fitcher, Ed.D., Vice-President Emeritus of Academic Administration

B.A., Andrews University; Diploma in Theology, Newbold College; Diploma of Education, University of Western Australia; M.Ed., Maryland University; Ed.D., Maryland University.

K. M. Kennedy, Ed.D., Professor Emeritus of Education

B.A., Valparaiso University; M.Ed., University of Chattanooga; Ed.D., University of Tennessee.

H. H. Kuhlman, Ph.D., Professor Emeritus of Biology

B.A., Emmanuel Missionary College; M.A., George Peabody College for Teachers; Ph.D., University of Tennessee.

Evlyn Lindberg, M.A., Associate Professor Emerita of English

B.A., Willamette University; M.A., Texas Christian University.

Drew Turlington, M.S., Associate Professor Emeritus of Industrial Education

B.S., Southern Missionary College; M.S., University of Tennessee.

FACULTY DIRECTORY

- †William M. Allen, Ph.D., Vice President for Academic Administration,
Professor of Chemistry
B.S., La Sierra College (Loma Linda University); Ph.D., University of
Maryland. (1984)
- J. Bruce Ashton, D.M.A., Professor of Music
B.Mus., Capital University; M.Mus., American Conservatory of
Music, D.M.A., University of Cincinnati. (1968)
- Ben Bandiola, Ph.D., Professor of Education and Psychology
B.S.E., M.A., Philippine Union College; Ph.D., University of Iowa.
(1984)
- †Ronald Barrow, Ph.D., Vice President for Admissions and College Rela-
tions
B.A., Columbia Union College; M.A., Loma Linda University; Ph.D.,
Walden University. (1979)
- John Beckett, B.A., Director of Computer Services, Instructor of Compu-
ter Science
B.A., Southern Missionary College. (1974)
- Douglas Bennett, Ph.D., Professor of Religion
B.A., Southern Missionary College; M.A., Andrews University;
B.D., Andrews University; Ph.D., Bowling Green State University.
(1961)
- Peggy Bennett, M.S.L.S., Associate Professor of Library Science
B.S., Southern Missionary College; M.S.L.S., Florida State Univer-
sity. (1971)
- Ruby Birch, M.S.N., Assistant Professor of Nursing
B.S., Madison College; B.A., Union College; M.S.N., Vanderbilt
University. (1975)
- Jack Blanco, Th.D., Professor of Religion
B.A., Union College; M.A., SDA Theological Seminary; B.D., SDA
Theological Seminary; M.Th., Princeton Theological Seminary;
Th.D., University of South Africa. (1983)
- Ann Clark, Ph.D., Associate Professor of English
B.A., Southern Missionary College; M.A.T., University of Tennes-
see, Chattanooga; Ph.D., University of Tennessee, Knoxville. (1965)
- Gerald Colvin, Ph.D., Ed.D., Professor of Education and Psychology
B.A., Union College; M.Ed., Ed.D., University of Arkansas; Ph.D.,
University of Georgia. (1972, 1984)
- Joyce Cotham, M.B.Ed., Assistant Professor of Office Administration
B.S., Southern Missionary College; M.B.Ed., Middle Tennessee
State University. (1971)

Faculty Directory

234

- †Kenneth R. Davis, M.A., Assistant Professor of Religion
B.A., Emmanuel Missionary College; M.A., Andrews University;
M.A., Boston University. (1970)
- Don Dick, Ph.D., Professor of Communication
B.A., Union College; M.A., University of Nebraska; Ph.D., Michigan
State University. (1968)
- Frank Di Memmo, M.S., Director of Instructional Media
B.S., Columbia Union College; M.S., Shippensburg University.
(1980)
- Roy Dingle, A.S., Instructor of Home Economics; Bakery Manager, Vil-
lage Market
A.S., Southern Missionary College. (1974)
- John Durichek, M.A., Associate Professor of Technology
B.S., Southern Missionary College; M.S., George Peabody College
for Teachers. (1969)
- Richard Erickson, M.B.A., Assistant Professor of Business
B.S., M.B.A., Austin Peay State University. (1984)
- Earl Evans, B.S., Director of Food Services; Instructor of Home
Economics
B.S., Andrews University. (1977)
- Ted Evans, M.Ed., Assistant Professor of Physical Education
B.S., Andrews University; M.Ed., University of Tennessee, Chat-
tanooga. (1974)
- Diane Fletcher, M.A., Associate Professor of Home Economics
B.A., Avondale College; M.A., Pacific Union College. (1985)
- Flora Flood, M.S.N., Assistant Professor of Nursing
B.S., Columbia Union College; M.S.N., Medical College of Georgia.
(1983)
- Robert Garren, M.F.A., Professor of Art
B.S., Atlantic Union College; M.F.A., Rochester Institute of
Technology. (1968)
- Betty Garver, M.S.N., Associate Professor of Nursing
B.S., Union College; M.S.N., University of Tennessee. (1977)
- Philip G. Garver, M.S., Associate Professor of Physical Education
B.S., Southern Missionary College; M.S., Eastern Michigan Univer-
sity. (1976)
- Dorothy Giacomozzi, M.S., Associate Professor of Nursing
B.S., Union College; M.S., University of Colorado. (1979)
- Orlo Gilbert, M.Mus. Ed., Professor of Music
B.M.E., La Sierra College; M.Mus.Ed., Madison State Teachers Col-
lege. (1967)

- Jerry Gladson, Ph.D., Professor of Religion**
B.A., Southern Missionary College; M.A., Vanderbilt University; Ph.D., Vanderbilt University. (1972)
- Judith Glass, M.Mus., Associate Professor of Music**
B.Mus., University of Texas at Austin; M.Mus., University of Texas at Austin. (1975)
- Loranne Grace, M.L.S., Associate Professor of Library Science**
B.S., Walla Walla College; M.L.S., University of Washington. (1970)
- Floyd Greenleaf, Ph.D., Professor of History**
B.A., Southern Missionary College; M.A., George Peabody College for Teachers; Ph.D., University of Tennessee. (1966)
- Edgar O. Grundset, M.A., Associate Professor of Biology**
B.A., Emmanuel Missionary College; M.A., Walla Walla College. (1957)
- Leona Gulley, M.H.Sc., Associate Professor of Nursing**
B.S., Columbia Union College; M.A., Philippine Union College Seminary, M.H.Sc., Philippine Union College. (1978)
- Norman Gulley, Ph.D., Professor of Religion**
Diploma in Theology, Newbold College; B.A., Southern Missionary College; M.A., Andrews University; B.D., Andrews University; Ph.D., Edinburgh University. (1978)
- Jan Haluska, M.A., Associate Professor of English**
B.S., Pacific Union College; M.A., Andrews University. (1981)
- Lawrence E. Hanson, Ph.D., Professor of Mathematics**
B.A., California State University; M.A., University of California; Ph.D., Florida State University. (1966)
- Ray Hefferlin, Ph.D., Professor of Physics**
B.A., Pacific Union College; Ph.D., California Institute of Technology. (1955)
- Dorothy Hooper, M.S., Associate Professor of Nursing**
B.S., Southern Missionary College; M.S., Loma Linda University. (1975)
- Duane F. Houck, Ph.D., Professor of Biology**
B.A., Emmanuel Missionary College; M.A., University of North Carolina; Ph.D., Iowa State University. (1973)
- Shirley Howard, M.S.N., Associate Professor of Nursing**
B.S., Walla Walla College; M.S.N., University of Tennessee. (1974)
- Francis Hummer, Instructor of Technology** (1979)
- Bonnie Hunt, M.S.N., Associate Professor of Nursing**
B.S., Loma Linda University; M.S.N., University of Tennessee. (1977)

Faculty Directory

236

- Katye Hunt, M.S.L.S., *Director, ANGEL Program*
B.S., Southern Missionary College; M.S.L.S., University of Tennessee. (1976)
- Gordon Hyde, Ph.D., *Professor of Religion*
B.A., Andrews University; M.A., University of Wisconsin; Ph.D., Michigan State University. (1982)
- Steven Jaecks, M.S., *Assistant Professor of Physical Education*
B.A., Loma Linda University; M.S., University of Tennessee. (1980)
- Beth Jedamski, B.S., *Instructor of Nursing*
B.S., Southern Missionary College; M.S.N., Georgia State University. (1983)
- Robert Kamieneski, Ed.D., *Professor of Physical Education*
B.S., La Sierra College; M.Ed., Boston University; Ed.D., Brigham Young University. (1980)
- John Keyes, Ed.S., *Associate Professor of English*
B.A., Asbury College; M.A., Central Michigan University; M.A.T., Andrews University; M.L.S., Vanderbilt University; Ed.D., George Peabody College for Teachers. (1987)
- Dean Kinsey, M.Ed., *Director of Adult Studies and Special Programs*
B.A., Southern Missionary College; M.Ed., Boston University. (1986)
- Catherine Knarr, M.S.N., *Associate Professor of Nursing*
B.S., Columbia Union College; M.S.N., University of Tennessee. (1974)
- *Timothy Korson, Ph.D., *Associate Professor of Computer Science*
M.S., Ohio University; Ph.D., Georgia State University. (1984)
- Henry Kuhlman, Ph.D., *Professor of Physics*
B.A., Emmanuel Missionary College; M.A., Western Michigan University; Ph.D., Purdue University. (1968)
- Edward L. Lamb, M.S.S.W., A.C.S.W., *Associate Professor of Social Work and Family Studies*
B.S., Union College; M.S.S.W., University of Tennessee. (1972)
- Katie A. Lamb, M.S.N., *Associate Professor of Nursing*
B.S., Union College; M.S.N., University of Central Arkansas. (1972)
- Merritt MacLafferty, M.A., *Associate Professor of Computer Science*
B.A., Union College; M.A., Pacific Union College. (1980).
- Ben McArthur, Ph.D., *Professor of History*
B.A., Andrews University; M.A., University of Chicago; Ph.D., University of Chicago. (1979)
- Caroline McArthur, M.S., *Assistant Professor of Nursing*
B.S., University of Mississippi; M.S., Emory University. (1979)

†Jack McClarty, Ed.D., Vice President for Development and Alumni Relations

B.M.Ed., University of Montana; M.M.Ed., Andrews University; Ed.D., University of Montana. (1972)

Wilma McClarty, Ed.D., Professor of English

B.A., Andrews University; M.A., Andrews University; Ed.D., University of Montana. (1972)

†Robert W. Merchant, M.B.A., C.P.A., Treasurer

B.A., Emmanuel Missionary College; M.B.A., University of Arkansas. (1961)

*Robert Moore, M.S., Associate Professor of Mathematics

B.A., Southern Missionary College; M.S., University of North Carolina. (1979)

Patricia C. Morrison, M.L.S., Assistant Professor of Library Science

B.S., East Carolina University; M.L.S., Vanderbilt University. (1981)

Laura Nyirady, M.S.N., Assistant Professor of Nursing

B.S., Loma Linda University; M.S.N., Boston University. (1986)

Stephen A. Nyirady, Ph.D., Professor of Biology

B.A., Atlantic Union College; M.S., Loma Linda University; Ph.D., Loma Linda University. (1986)

C. A. Oliphant, Ph.D., Professor of Journalism and Communication

B.A., La Sierra College; M.A., University of California at Los Angeles; Ph.D., University of Iowa. (1986)

Helmut K. Ott, Ed.D., Professor of Modern Languages

B.A., Loma Linda College of Arts and Sciences; M.A., Inter-American University; M.A., Andrews University; Ed.D., Andrews University. (1971)

Marsha Rauch, M.S.N., Associate Professor of Nursing

B.S., Columbia Union College; M.S.N., Catholic University of America. (1986)

Desmond Rice, Ed.D., Professor of Education

B.A., Avondale College; M.A., San Francisco State University; Ed.D., University of Southern California. (1979)

*E. Williams Richards, Jr., Ph.D., C.P.A., C.M.A., C.I.A., C.D.P., C.C.P., C.C.A., Professor of Business Administration

B.S., Southern Missionary College; Ph.D., Michigan State University. (1977)

Evonne Richards, Ed.D., Assistant Professor of Office Administration

B.S., Pacific Union College; M.A., Loma Linda University; Ed.D., University of Tennessee. (1983)

Faculty Directory

238

- Arthur Richert, Ph.D., *Professor of Mathematics*
B.A., Southern Missionary College; M.A. and Ph.D., University of Texas. (1971)
- Charlene Robertson, M.S.N., *Associate Professor of Nursing*
B.S., Southern Missionary College; M.S., University of Alabama. (1977)
- Marvin L. Robertson, Ph.D., *Professor of Music*
B.Mus., Walla Walla College; M.A., University of Northern Colorado; Ph.D., Florida State University. (1966)
- Cyril Roe, Ed.D., *Professor of Education*
B.A., Pacific Union College; M.A., Pacific Union College; Ed.D., University of the Pacific. (1976)
- Cecil Rolfe, Ph.D., *Professor of Business Administration*
B.A., Columbia Union College; M.B.A., University of Maryland; Ph.D., University of Maryland. (1964)
- Daniel Rozell, M.A., *Associate Professor of Business Administration*
B.S., Southern Missionary College; M.A., Central Michigan University. (1978)
- †Donald R. Sahly, Ed.D., *President*
B.S., Andrews University; M.A., Andrews University; Ed.D., University of the Pacific. (1986)
- Patricia Silver, M.A., *Associate Professor of Music*
B.S.C., Madison College; M.A., George Peabody. (1982)
- David Smith, M.A., *Associate Professor of English*
B.A., Andrews University; M.A., Andrews University. (1981)
- Ron Smith, M.Ed., *Assistant Professor of Journalism and Education*
B.A., Boston University; M.Ed., Converse College. (1987)
- †Kenneth Spears, M.B.A., *Vice President for Finance*
B.S., Southern Missionary College; M.B.A., Middle Tennessee State University. (1963)
- Ronald Springett, Ph.D., *Professor of Religion*
B.A., Columbia Union College; M.A. and B.D., Andrews University; Ph.D., University of Manchester. (1969)
- Jeanette Stepanse, M.A., *Associate Professor of Education*
B.S., Andrews University; M.A., Ohio State University. (1979)
- Elvie Swinson, M.S., *Associate Professor of Nursing*
B.S.N.E., Columbia Union College; M.S., Loma Linda University. (1973)
- †William H. Taylor, M.A., *Director, Endowment Campaign*
B.A., Union College; M.A., University of Nebraska. (1958)

- Mitchell Thiel, Ph.D., *Professor of Chemistry*
B.A., Union College; M.S., University of Maryland; Ph.D., University of Maryland. (1966)
- Cheryl K. Thompson, M.S.N., *Assistant Professor of Nursing*
B.S., Southern Missionary College; M.S.N., University of Florida. (1982)
- Wayne E. VandeVere, Ph.D., C.P.A., *Professor of Business Administration*
B.A., Andrews University; M.B.A., University of Michigan; Ph.D., Michigan State University. (1956)
- Steven E. Warren, Ph.D., *Associate Professor of Chemistry*
B.S., Andrews University; Ph.D., Arizona State University. (1982)
- Erma Webb, M.S., *Associate Professor of Nursing*
B.S., Union College; M.S., Loma Linda University. (1976)
- Larry Williams, M.S., *Associate Professor of Social Work and Family Studies*
M.S., University of Georgia. (1983)
- William Wohlers, Ph.D., *Professor of History*
B.A., Walla Walla College; M.A., Andrews University; Ph.D., University of Nebraska. (1973)
- Marianne Wooley, M.S.L.S., *Assistant Professor of Library Science*
B.S., Andrews University; M.S.L.S., University of Southern California. (1966)
- Marcella Woolsey, M.A., *Instructor of Biology*
B.S., Southern Missionary College; M.A., Loma Linda University. (1981)

Dates in parentheses indicate the beginning year of employment at Southern College.

* Study leave

† Administration

Faculty Directory

240

ADJUNCT FACULTY

Education

Faculty of Collegedale Academy

Faculty of Spalding Elementary School

Southern Union Elementary Supervisors and Superintendents:

Carolina Conference

Florida Conference

Georgia-Cumberland Conference

Gulf States Conference

Kentucky-Tennessee Conference

South Atlantic Conference

South Central Conference

Southeastern Conference

Medical Technology

Florida Hospital:

Rodney Holcomb, M.D., Medical Director

Patricia Rogers, B.S., MT (ASCP), Program Director

Kettering Hospital:

Glenn Bylsma, M.D., Medical Director

Suzanne Columbus, B.S., MT (ASCP), Program Director

Mary Beth Fannon, M.A., MT (ASCP), Academic Education Coordinator

Beverly Schieltz, M.S., MT (ASCP), Clinical Education Coordinator

Nursing

Collegedale

Wanda Bunce

Carol B. Burhenn

Judy Compton

Donna Day

Ellen Gilbert

Carol J. Harris

Beverly Jackson

Kathy Davidson

Jacobson

Joe B. Lasseter

Pam Lowe

Jill Morgan

Cindy Nipp

Cheri Terrell

Dotty Volz

Juanita Weddle

Orlando

Center

Dorothy Brown

Karen Grimm

Louise Gusso

Connie Hamilton

Brucie Huffman

Mary Lou Jones

Marion Kierstead

Carol Kunau

Helen Jeanne Lippert

Gail Nausbaum

Rosann Reilly

FACULTY COMMITTEES FOR THE 1987-88 SCHOOL YEAR

241

ACADEMIC AFFAIRS: William Allen, *Chairman*; Mary Elam, Peggy Bennett and Department Chairmen: Gerald Colvin, John Durichek, Diane Fletcher, Robert Garren, Phil Garver, Larry Hanson, Ray Hefferlin, Gordon Hyde, Ed Lamb, Katie Lamb, Stephen Nyirady, Bill Oliphant, Helmut Ott, Marvin Robertson, David Smith, Wayne VandeVere, Steven Warren, William Wohlers.

ABSENCE COMMITTEE: Dan Rozell, *Chairman*; Jeanette Bryson, Stan Hobbs, Dorothy Hooper, Larry Williams.

ADMISSIONS COMMITTEE: Ron Barrow, *Chairman*; Gordon Hyde, Sharon Engel, Helmut Ott, Ron Qualley, Randy White, Merlin Wittenberg.

ADVISEMENT COMMITTEE: Mary Elam, *Chairman*; William Allen, Ron Barrow, Doug Bennett, Ann Clark, K. R. Davis, Merritt MacLafferty, Evonne Richards, Elvie Swinson, Larry Williams.

COMPUTER SERVICES COMMITTEE: Ken Spears, *Chairman*; William Allen, Don Dick, Mary Elam, Tim Korson, Henry Kuhlman, Katie Lamb, Louesa Peters, Ron Springett, Wayne VandeVere, Laurel Wells, and one student. John Beckett will serve as a consultant.

FACULTY AFFAIRS COMMITTEE: Floyd Greenleaf, *Chairman*; Ron Barrow, Katie Lamb, Stephen Nyirady and Wayne VandeVere.

FACULTY SENATE: Donald Sahly, *Chairman*; Larry Hanson, *Secretary*; William M. Allen, Bruce Ashton, Douglas Bennett, Gerald Colvin, K. R. Davis, Helen Durichek, Richard Erickson, Phil Garver, Jan Haluska, Dean Kinsey, Katie Lamb, Steve Nyirady, Helmut Ott, Ron Qualley, Charlene Robertson, Cecil Rolfe, David Smith, Elvie Swinson, Mitchell Thiel, Laurel Wells, Larry Williams, Ken Spears (*ex officio*).

EXECUTIVE COMMITTEE: Donald Sahly, *Chairman*; Larry Hanson, *Secretary*; William M. Allen, K. R. Davis, Ken Spears, Gerald Colvin, Jan Haluska, Katie Lamb.

PROMOTIONS COMMITTEE: Ed Lamb, Floyd Greenleaf, Cecil Rolfe, Bill Wohlers, Gerald Colvin.

FINANCIAL ADVISORY COMMITTEE: Ken Spears, *Chairman*; Richard Erickson, Earl Evans, Allen Olsen, Wayne VandeVere.

GENERAL EDUCATION COMMITTEE: Jack Blanco, *Chairman*; Ben McArthur (*Ch. Writing Committee*), Katie Lamb, Peggy Bennett, Gerald Colvin, *Ch. Honors Committee*.

WRITING SUBCOMMITTEE: Ben McArthur, *Chairman*; Bruce Ashton, Ray Hefferlin, Duane Houck, Pat Morrison, Bill Oliphant, Ron Springett and David Smith.

HONORS COMMITTEE: Floyd Greenleaf, Jan Haluska, Evonne Richards, Art Richert, Charlene Robertson, Cecil Rolfe, Steve Warren, William Wohlers.

LOANS AND SCHOLARSHIP COMMITTEE: Ron Barrow, *Chairman*; Jeanette Bryson, K. R. Davis (*ex officio*), Stan Hobbs, Jeanette Stepanske, Laurel Wells,

Faculty Committees

242

Randy White, two students and one representative from the Development Office.

INSTRUCTIONAL RESOURCES COMMITTEE: Bonnie Hunt, *Chairman*; Peggy Bennett (Library and Academic Affairs), Frank Di Memmo (Instructional Media), Loranne Grace (Library), Ann Clark, Mitchell Thiel.

RECRUITMENT / RETENTION COMMITTEE: Ron Barrow, *Chairman*; Joyce Cotham, K. R. Davis, John Durichek, Wilma McClarty, Ron Qualley, Dean of Women and one student.

SOCIAL AND RECREATIONAL COMMITTEE: Jeanne Davis, *Chairman*; Earl Evans, Sharon Engel, Laura Nyirady, Cherie Smith.

TEACHER EDUCATION COUNCIL COMMITTEE: (All ex officio). Gerald Colvin, *Chairman*; William Allen, Howard Kennedy, Dean Maddock, Education Department Faculty, K. R. Davis and supervisors for student teachers for each department. Also, the NCATE Steering Committee: Gerald Colvin / Ben Bandiola, *Co-Chairmen*; Mary Elam, Stephen Nyirady, William Wohlers.

STUDENT SERVICES: K. R. Davis, *Chairman*; Ron Barrow, Sharon Engel, Stephen Nyirady, Helmut Ott, Ron Qualley. The following members of this committee are mandated as ex officio by the Faculty Handbook: Don Dick, Edgar Grundset / Bill Wohlers, James Herman, Pat Silver, Laurel Wells, and three students.

SUB-COMMITTEES UNDER STUDENT SERVICES:

ARTIST ADVENTURE/PROGRAMS: Edgar Grundset / William Wohlers, *Co-Chairmen*; Jeanette Bryson, Frank Di Memmo, Earl Evans, Bob Garren, Betty Garver, Orlo Gilbert, Stan Hobbs, Steve Jaecks, Jack McClarty, and four students.

DISCIPLINE POOL SUBCOMMITTEE: Phil Garver, Art Richert, Judy Glass, Leona Gulley, Beth Jedamski, Callie McArthur, Marcella Woolsey, and four students.

FILMS SUBCOMMITTEE: Don Dick, *Chairman*; Earl Evans, Shirley Howard, Robert Merchant, and two students. (K. R. Davis ex officio).

RELIGIOUS LIFE COUNCIL SUBCOMMITTEE: James Herman, *Chairman*; Norman Gulley, Larry Hanson, Stan Hobbs, Ed Lamb, Sharon Engel, and four students. (K. R. Davis, ex officio).

SCREENING SUBCOMMITTEE: Pat Silver, *Chairman*; Ted Evans, Diane Fletcher, Ron Qualley, Jeanette Bryson, and two students. (K. R. Davis, ex officio).

STUDENT PERSONNEL COMMITTEE: K. R. Davis, *Chairman*; Jeanette Bryson, Sharon Engel, Earl Evans, Eleanor Hanson, James Herman, Stan Hobbs, Cliff Myers, Ron Qualley, and Becky Rolfe.



CURRICULUM CHART

Southern College of Seventh-day Adventists
1987-88

Department	Degree	Major	Minor
Allied Health	BS	Medical Technology	
	AS	Pre-Dental Hygiene	
	AS	Pre-Occupational Th	
	AS	Pre-Physical Therapy	
Art	BA	* Art	Art
Behavioral Science	BS	Beh Sci-Family Studies	Behav Sci
	BS	Beh Sci-Sociology	Sociology
	BSW	Social Work	
Biology	BA	*Biology	Biology
	BS	*Biology	
Business & Office Admin.	BBA	Accounting	
	AS	Accounting	
	BS	Business Admin	Business Admin
	BBA	Computer Info Systems	
	BS	Long-Term Health Care	
	BBA	Management	
	BS	*Office Admin	Office Admin
	AS	Office Adm-Executive	
	AS	Office Adm-Medical	
	AS	Office Adm-Word Proc	
	AS	Pre-Med Records Adm	
Chemistry	BA	*Chemistry	Chemistry
	BS	*Chemistry	
Computer Science	BBA	Computer Info Systems	
	BA	Computer Science	Computer Sci
	BS	Computer Science	
	AS	Computer Science	
Education & Psychology	BS	Elementary Education (Secondary teaching — See asterisked majors)	
	BA	Psychology	Psychology
Engineering Studies	AS	Engineering Studies	
English	BA	*English	English

Department	Degree	Major	Minor
General Studies	AS	General Studies	
Health, PE & Recreation	BS	*Health, P.E. & Recr	Hlth, PE, Recr
	BS	Health Science	
History	BA	*History	History
Home Ec	BS	Food Service Admin	Foods
	AT	Food Service	
	Cert	Food Serv Production	
	BS	Home Economics	Home Ec
	AS	Home Economics	
	AS	Pre-Dietetics	
Journalism & Communication	BA	Journ-Broadcasting	Broadcasting
	BA	Journ-News Editorial	News Editorial
	BA	Public Relations	Public Relations
Mathematics	BA	*Mathematics	Mathematics
	BS	*Mathematics	
Modern Languages		(1-year abroad req.)	
	BA	*French	French
	BA	*German	German
	BA	*Spanish	Spanish
	BA	International Studies	
Music	BA	Music	Music
	BMus	*Music Education	
Nursing	AS	Nursing	
	BS	Nursing	
Physics	BA	*Physics	Physics
	BS	*Physics	
Religion	BA	Religion-Ministerial	Practical Theo
	BA	*Religion-Non-Minis	Religion
			Biblical Langs
Technology	Cert	Auto Body Repair	Technology

Cert = One-year certificate program

*Secondary teaching certification available for these disciplines

TYPICAL SEQUENCE OF COURSES FOR B.S. MEDICAL TECHNOLOGY

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
CHEM 151-152	General Chemistry	4 4	CHEM 311	Organic Chemistry	3
ENGL 101-102	College Composition	3 3	CHEM 313	Organic Chem Lab	1
HIST 174.175	Survey of Civ	3 3		*Chemistry *2	4
MATH 114	Elementary Functions	4	BIOL 151-152	*General Biology	4 4
RELB 125	Teachings of Jesus	3	BIOL 330	*Gen Microbiology	4
	Area G-3, Rec Skills	1	RELT 138	Adventist Heritage	3
	Elective *1	3	PSYC 124	Intro to Psychology	3
		15 16	MDTC 225	Intro to Med Tech	2
				Literature *4	3
				Area G, Act Skills	1
					16 16
YEAR 3		Semester 1st 2nd	YEAR 4		
BIOL 315	*Parasitology	3	Clinical Year		
BUAD 334	*Princ of Management	3			
CPTR 125	*Basic Program Lang	3			
	*Biology *3	3 3			
	Area B, Religion *4	3			
	Area D, Lang/Lit/Fine Arts	3			
	Electives *5	6 3			
		15 15			

*An asterisk in front of a subject indicates Med-Tech requirement.

*1 Pre-Meds must take Calculus I.

*2 Recommended Chemistry courses: (CHEM 312, 314, 315, 321, 323, 324)

*3 Recommended Biology courses: (BIOL 316, 415, 417)

*4 This is a suggested place for taking an upper division course.

*5 Recommended Physics courses: (PHYS 211, 212, 213, 214)

20 upper division credits, make-up of any admissions deficiencies, and 93 total hours must be completed prior to the clinical year.

TYPICAL SEQUENCE OF COURSES FOR A.S. PRE-DENTAL HYGIENE (Allied Health Professions)

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Composition	3 3	CHEM 111-112	Survey of Chemistry	3 3
BIOL 101-102	Anatomy & Physiology	3 3	CHEM 113-114	Survey of Chem Lab	1 1
MATH 103	Survey of Math	0-3	BIOL 125	Microbiology	4
PSYC 124	Intro to Psychology	3		Area B, Religion	3 3
SOCI 125	Intro to Sociology	3		Area D, For Lang/Lit/F. Arts	3 3
	Area B, Religion	3		Area G-1, Music or Art	1 1
	Area D-4, Speech	3		Psychology, Sociology,	
	Area G-3, P.E. Activity	1		History or Economics	3
	Area C-1, History	3		Elective	2 2
	Elective	3-0 1			17 16
		16 16			

NOTE: C- is the lowest acceptable grade for a course. The Allied Health Professions Admission Test (AHPAT) is required.

TYPICAL SEQUENCE OF COURSES FOR A.S. PRE-OCCUPATIONAL THERAPY

(Allied Health Professions)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	CHEM 111-112	Survey of Chemistry	3	3
BIOL 101-102	Anatomy & Physiology	3	3	CHEM 113-114	Survey of Chem Lab	1	1
ART 235	Ceramics	3		TECH 154	Woodworking	4	
SOCI 125	Intro to Sociology		3	BIOL 125	Microbiology	4	
PSYC 128	Dev Psychology	3		PSYC 124	Intro to Psychology		3
	Area B, Religion	3	3	MATH 103	Survey of Math		0-3
	Area D-4, Speech		2		Applied Arts or Crafts	2	
	Area F-1, Behav Sci		3		Area B, Religion		3
	Area G-3, Recreation Skills	1			Area C, History	3	
		16	17		Area D, F. Lang/Lit/F. Arts		2
					Elective		3-0
						17	15

NOTE: C- is the lowest acceptable grade. The Allied Health Professions Admission Test (AHPAT) is required.

TYPICAL SEQUENCE OF COURSES FOR A.S. PRE-PHYSICAL THERAPY

(Allied Health Professions)

Requirements for entrance to the junior year of a Physical Therapy course will depend on the college selected. Requirements for Andrews University and Loma Linda University are outlined here. Students who complete one of these programs will be awarded an Associate of Science degree by Southern College. Students planning to attend other colleges should contact them to obtain their requirements.

ANDREWS UNIVERSITY REQUIREMENTS

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	CHEM 151-152	General Chemistry	4	4
BIOL 101-102	Anatomy & Physiology*	3	3	BIOL 125	Basic Microbiology	4	
PSYC 124	Introduction to Psychology	3		HIST 154	American History	3	
PSYC 128	Developmental Psychology		3	RELT 255	Christian Beliefs	3	
MATH 104	Intermediate Algebra**	3			Area D, Fine Arts	3	
RELB 125	Life & Teachings of Jesus	3			Area D-2, Literature		3
CPTR 120	Intro to Computer Based Sys		3		Area G-3, Recreation Skills	1	
SPCH 135	Intro to Public Speaking		3		Psyc, Sociology, or Econ		3
PEAC 125	Conditioning	1			Elective (recommended is	4	
	Area G-3, Recreation Skill		1		FDNT 125, Nutrition,		
		16	16		ACCT 103, Coll Accounting,		
					or ECON 213, Surv of Econ)		
						17	15

*BIOL 155, 156, General Biology, may be substituted if it has already been taken.

**Not required if the MATH ACT score is 22 or higher, but 64 total hours must be completed.

NOTE: A minimum grade point average of 2.50, figured on science and non-science courses separately, is required. C- is the lowest acceptable grade for science and cognate courses. The Allied Health Professions Test (AHPAT) is required. Also required are the Strong-Campbell Vocational Interest Inventory and the Sixteen Personality Profiles Tests. The latter two tests may be taken at SC. An additional requirement for admission is 80 hours of observation or work experience with a physical therapist. This 80 hours must be distributed over three types of work experience. See the Andrews admissions requirements for details.

A.S. PRE-PHYSICAL THERAPY

CURRENT LOMA LINDA UNIVERSITY REQUIREMENTS

A physics sequence with laboratory of 8 hours is required for entrance to the program. This is offered on the La Sierra campus immediately preceding the fall quarter. The Southern College General Physics course, PHYS 211, 212, 213, 214, 8 semester hours, is accepted. Most students will find it more convenient to take their physics requirement at LLU.

YEAR 1			YEAR 2		
		Semester 1st 2nd			Semester 1st 2nd
ENGL 101-102	College Composition	3 3	CHEM 111-112	Survey of Chemistry	3 3
BIOL 101-102	Anatomy & Physiology*	3 3	CHEM 113-114	Survey of Chem Lab	1 1
PSYC 124	Introduction to Psychology	3	BIOL 125	Basic Microbiology	4
MATH 103	Survey of Math	3	HIST 154	American Hist & Institution	3
RELB 125	Life & Teachings of Jesus	3	SPCH 135	Intro to Public Speaking	3
PSYC 128	Developmental Psychology	3	RELT 255	Christian Beliefs	3
RELT 138	Adventist Heritage	3		Area D, Lang/Lit/Fine Arts	3 3
CPTR 120	Intro to Computer Based Sys	3		Elective	6
PEAC 125	Conditioning	1			17 16
	Area G-3, Recreation Skill	1			
		16 16			

*BIOL 155, 156, General Biology, may be substituted.

**Not required if the MATH ACT score is 22 or higher; however, LLU requires 2 years of high school mathematics (excluding arithmetic or business mathematics) or equivalent with grades of C- or better.

NOTE: Other entrance requirements are the Allied Health Professions Admissions Test (AHPAT) and a minimum of 80 hours of work experience (volunteer or as an employee) in a physical therapy department. C- is the lowest acceptable grade for a course.

A.S. PRE-PHYSICAL THERAPY

LOMA LINDA UNIVERSITY REQUIREMENTS FOR STUDENTS ENTERING LLU JUNE, 1989 OR LATER

A physics sequence with laboratory of 8 quarter hours is required for entrance to the program. This is offered on the La Sierra campus immediately preceding the fall quarter. The Southern College General Physics course, PHYS 211, 212, 213, 214, 8 semester hours, is acceptable, but most students will find it more convenient to take their physics requirements at LLU.

YEAR 1			YEAR 2		
		Semester 1st 2nd			Semester 1st 2nd
ENGL 101-102	College Composition	3 3	CHEM 151-152	General Chemistry	4 4
BIOL 155-156	General Biology	4 4	BIOL 125	Basic Microbiology	4
PSYC 124	Introduction to Psyc	3	SOCI 125	Intro to Sociology	3
PSYC 128	Developmental Psyc	3	CPTR 120	Intro to Computer Based Sys	3
MATH 104	Intermediate Algebra	3	RELT 138	Adventist Heritage	3
MATH 215	Statistics	3	RELT 255	Christian Beliefs	3
RELB 125	Life & Teachings of Jesus	3	HIST 154	American Hist & Institution	3
SPCH 135	Intro to Public Speaking	3		Area D, Fine Arts or F. Lang	6
		16 16		Area G-3, Recreation	1
					17 17
SUMMER					
	Literature	3			
	Elective	2			
		5			

NOTE: A total of 68 semester hours, excluding Intermediate Algebra, is required for admission. Other entrance requirements are the Allied Health Professions Admissions Test and a minimum of 80 hours work experience (volunteer or as an employee) in a physical therapy department. C- is the lowest acceptable grade for a course.

TYPICAL SEQUENCE OF COURSES FOR B.A. ART

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ART 104-105	Drawing I, II	2	2	ART 344	History of Art	3	
ART 109-110	Design I, II	3	3	JOUR 225	Intro to Photography	2	
ENGL 101-102	College Composition	3	3		Area C-1, History	3	3
	Area B, Religion	3			Area D-1, Inter For Lang	3	3
	Area D-1, Begin For Lang	3	3		Area D-2, Literature		
	Area G-2, Practical				OR	3	
	OR	1	1		Area D-4, Speech		
	Area G-3, Recreation				Area F-2, Family Science		
	Area A-2, Math		0-3		OR		
	Minor or Elective	3-0			Area F-3, Health Science		
		15	15		Area B-1, Religion		3
					Art Electives	3	3
					Minor or Elective		3
						17	17
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
ART 345	Contemporary Art		3	ART 499	Senior Project	1	
	Area B-2, Religion	3			Area B, Religion		3
	Area C-2, Pol Sci/Econ	3			Art Electives	6	3
	Area E, Natural Science	3	3		Minor or Electives		9 10
	Area F-1, Behav. Science	3				16	16
	Area G-3, Recreat. Skills		1				
	Minor or Electives	3	3				
	Art Electives		5				
		15	15				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. BEHAVIORAL SCIENCE

(Family Studies Emphasis)

YEAR 1			Semester		YEAR 2			Semester	
			1st	2nd				1st	2nd
ENGL 101-102	College Composition		3	3	HMEC 201-202	Parenting I, II		2	2
SOCI 125	Intro to Sociology		3		ECON 213	Survey of Economics		3	
PSYC 124	Intro to Psych			3	SOCW 221	Social Welfare Insts		3	
HMEC 147	Fam Resource Mgmt		3		SOCW 222	Social Welfare Issues			3
PSYC 128	Dev Psychology			3	SOCI 223	Marriage & Family			2
	Area G, Act Skills		2	1	SOCI 233	Human Sexuality			3
	Area B, Religion		3			Area D-4, Speech		2	
	Area E-1, Biology			3		Area B, Religion		3	
	Area A-2, Math			0-3		Area C-1, History		3	3
	Minor or Elective		1	3-0		Area D, Lang/Lit/Fine Arts		3	
			15	18				16	16
YEAR 3			Semester		YEAR 4			Semester	
			1st	2nd				1st	2nd
MATH 215	Statistics		3		BHSF 394	Research Methods		3	
PSYC 315	Abnormal Psych			3	SOCI 424	Contemp Soc Problems			3
SOCI 365	Family Relations			3		Area B, Religion		3	
SOCI 495	Directed Study			1		Area C-2, Economics		3	
	Area B, Religion			3		Area G, Act Skills		2	
	Area D, Lang/Lit/Fine Arts			4		Minor or Electives		5	2
	Area E, Chem/Phys/E. Sci			3		PSYC & SOCW Electives			9
	Area G-3, Recreation			1				16	14
	Minor or Electives			6 4					
				16 15					

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

A physics sequence with laboratory of a quarter hour is required for students in the program. The course offered on the La Sierra campus immediately preceding the fall quarter. The Southern College General Physics course, PHYS 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

TYPICAL SEQUENCE OF COURSES FOR B.S. BEHAVIORAL SCIENCE

(Sociology Emphasis)

YEAR 1			Semester		YEAR 2			Semester	
			1st	2nd				1st	2nd
ENGL 101-102	College Composition		3	3	SOCW 221, 222	Social Welfare I, II		3	3
PSYC 128	Dev Psychology			3	SOCI 223	Marriage & the Family		2	
PSYC 124	Intro to Psych		3		ECON 213	Survey of Economics		3	
SOCI 125	Intro to Sociology			3		Area B, Religion			3
	Area D, Lang/Lit/Fine Arts		3			Area C-1, History		3	3
	Area G, Activity Skills			4		Elective		2	
	Area B, Religion		3			Soc Elective		3	6
	Area E-1, Biology			3				16	15
	Area A-2, Math			0-3					
	Elective			3-0					
			15	18					

YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
BHSF 215	Statistics		3	BHSF 394	Research Methods		3
SOCI 424	Contemporary Soc Problems		3	SOCI 427	Sociological Theory Dev		2
	Area G-3, Rec Skills		1	SOCI 495	Directed Study		1
	Area F-1, Sociology Elect	3	3		Area F-1, Sociology Elect	3	4
	Area B, Religion		3		Area G, Skills		1
	Area D, Lang/Lit/Fine Arts		3		Area E, Chem/Phys/E Sci		3
	Minor or Electives	6	6		Area D, Lang/Lit/Fine Arts	3	3
		15	16		Minor or Electives	2	6
					Area B, Religion	3	
						16	15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S.W. SOCIAL WORK

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	SOCW 221	Social Welfare Insts		3
BHSF 115	Orient to Behav Sci		1	SOCW 222	Social Welfare Issues		3
PSYC 124	Intro to Psychology		3	ECON 213	Survey of Economics		3
SOCI 125	Intro to Sociology		3	SOCI 295	Directed Study		1
SOCI 223	Marriage & the Family		2		Area G, Skills		2
PSYC 128	Dev Psych		3		Area E-1, Biology		3
	Area D-4, Speech		2		Area B, Religion		3
	Area B, Religion		3		Area C-1, History		3
	Area A-2, Math		0-3		Area D, Lang/Lit/Fine Arts		3
	Area G, Skills		2		Elective		3
	Elective		0-3				2
		15	16			16	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
PSCY 315	Abnormal Psych		3	BHSF 394	Research		3
SOCW 314	Social Work Meth		3	SOCI 424	Contemp Soc Problems		3
SOCI 495	Directed Study		1-0	SOCW 435	Social Work Practicum		4
SOCW 318	Community		3		Area G-3, Recreation		1
SOCW 315	Group Work		3		Area G, Skills		1
MATH 215	Statistics		3		Area B, Religion		3
	Area B, Religion		3		Elective		4
	Area D, Lang/Lit/Fine Arts		3				7
	Area E, Chem/Phys/E. Sci		3			15	15
	Elective, Social Work		3				
	Electives		3-4				
		15	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. BIOLOGY (Chemistry Minor Recommended)

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Composition	3 3	CHEM 151-152	General Chemistry	4 4
BIOL 151-152	General Biology	4 4	BIOL 316	Genetics	3 3
MATH 114	Elementary Functions	4		Area G-2, Computer Sci	3
RELB 125	Teaching of Jesus	3		Area G-3, Rec Skills	1
RELT 138	Adventist Heritage	3 3		Area D, Lit/Fine Arts/Spch	3
	Area G, Skills	1 1		Area F-1, Behavioral Sci	3
	Elective	5		Area B, Religion	3
		15 16		Biology Elective	3 3
					16 14
YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
CHEM 311-312	Organic Chemistry	3 3	HIST 154, 155	American History	
CHEM 313-314	Organic Chem Lab	1 1		OR	3 3
PHYS 211-212	General Physics	3 3	HIST 174, 175	Survey of Civ	
PHYS 213-214	Gen Phys Lab	1 1	BIOL 424	Iss of Nat Sci & Rel	3
BIOL 317	Ecology	3	BIOL 408	Systematic Botany	3
	OR	3	BIOL 485	Biology Seminar	1
BIOL 226	Environmental Biology		CHEM 323	Biochemistry	4
BIOL 418	Animal Physiology			Area B, Religion (UD)	3
	OR	3		Area F-2, Fam or Hlth Sci	3
BIOL 419	Plant Physiology			Area C-2, Poli Sci/Econ	3
	Area D-1, Foreign Lang	3 3		Elective	3 2
	Electives	2 2			16 15
		16 16			

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially the requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. BIOLOGY (Chemistry Minor Recommended)

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
BIOL 151-152	General Biology	4 4	CHEM 151-152	General Chemistry	4 4
ENGL 101-102	College Composition	3 3	HIST 154, 155	American History	
BIOL 330	General Microbiology	4		OR	3 3
MATH 114	Elementary Functions	4	HIST 174, 175	Survey of Civ	
RELB 125	Teaching of Jesus	3	BIOL 415	Comparative Anatomy	3
	Area G-3, Rec Skills	1	MATH 215	Statistics	3
	Area D, Lang/Lit/Fine Arts	3	RELT 138	Adventist Heritage	3
	Elective	2		Area F-1, Behavioral Sci	3
		15 16		Area G-1, Creative Skills	2
				Area B, Religion	3
					15 16

YEAR 3		Semester	
		1st	2nd
CHEM 311-312	Organic Chemistry	3	3
CHEM 313-314	Organic Chem Lab	1	1
PHYS 211-212	General Physics	3	3
PHYS 213-214	General Physics Lab	1	1
BIOL 316	Genetics	3	
BIOL 408	Systematic Botany	3	
	Area D, Lang/Lit/Fine Arts		3
	Biology Elective	3	3
		17	14

YEAR 4		Semester	
		1st	2nd
BIOL 485	Biology Seminar	1	
BIOL 424	Iss of Nat Sci & Rel	3	
BIOL 419	Plant Physiology		
	OR		3
BIOL 418	Animal Physiology		
BIOL 412	Cell Biology	3	
BIOL 226	Environmental Biology		
	OR		3
BIOL 317	Ecology		
CHEM 203	Biochemistry		
	OR		3
	Biology Elective		
	Area F-2, Fam/Hlth Sci	3	
	Area D-2, Lang/Lit/Fine Arts	3	
	Area C-2, Poli Sci/Econ	3	
	Area G-2, Computer Sci	3	
	Area B, Religion (UD)	3	
		16	15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.B.A. ACCOUNTING

YEAR 1		Semester	
		1st	2nd
ACCT 121-122	Princ of Accounting	3	3
ENGL 101-102	College Composition	3	3
CPTR 127	Micro Tools		3
MATH 104	Intermediate Algebra	3	
	Area B-1, Religion	3	
	Area F-1, Psychology		3
	Area C-1, History	3	3
	Area G-3, Rec Skills	1	
		16	15

YEAR 3		Semester	
		1st	2nd
BUAD 337-338	Business Law	3	3
ACCT 321-322	Cost Accounting	3	3
BUAD 326	Intro to Marketing		3
BUAD 315	Business Finance	3	
MATH 215	Statistics	3	
BUAD 314	Quant Meth for Bus Dec		3
	Area B-2, Religion	3	
	Accounting Elective		3
	Elective		1
		15	16

YEAR 2		Semester	
		1st	2nd
ECON 224-225	Princ of Economics	3	3
ACCT 211-212	Intermediate Acct	3	3
SPCH 135	Intro to Public Spkg		3
	Area B, Religion	3	3
	Area E, Natural Sci	3	3
	Area D-2, Literature	3	3
	Area G-1 or G-3, Skills	1	1
	Area F-2, Fam/Hlth Sci		2
		16	15

YEAR 4		Semester	
		1st	2nd
BUAD 334	Princ of Management	3	
SECR 315	Bus Communications	3	
BUAD 414	Business Policies		
	OR		3
BUAD 357	Business Ethics		
BUAD 488	Seminar in Bus Admin	1	
ACCT 317	Federal Income Taxes		4
ACCT 417	Auditing	4	
	Area B, Religion	3	
	Area D-3, Fine Arts App	3	
	Elective		7
		16	15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.S. ACCOUNTING

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ACCT 121-122	Princ of Accounting	3 3	ACCT 211-212	Intermediate Acctg	3 3
ENGL 101-102	College Composition	3 3	ACCT 321	Cost Accounting I	3
BUAD 128	Personal Finance	3	BUAD 337	Business Law	3
ECON 224	Princ of Economics			Area B-2, Religion	3
	OR	3		Area C-1, History	3
ECON 213	Survey of Economics			Area D-2, Literature	
CPTR 127	Micro Tools	3		OR	3
	Area B-1, Religion	3		Area D-4, Speech	
	Area F-1, Psychology	3		Area E, Natural Sci	3
	Area G-3, Rec Skills	1		Business Elective	3 3
	Area A-2, Math	0-3		Elective	1 1
	Elective	4-1			
		16 16			16 16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially the requirements of make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR B.S. BUSINESS ADMINISTRATION

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ACCT 121-122	Princ of Accounting	3 3	ECON 224-225	Princ of Economics	3 3
ENGL 101-102	College Composition	3 3	ACCT 211	Intermediate Acctg	3
CPTR 127	Micro Tools	3		Area F-1, Psychology	3
SPCH 135	Intro to Public Spkg	3		Area B, Religion	3
MATH 104	Intermediate Algebra	3		Area D-2, Literature	3
	Area B-1, Religion	3		Area G-3, Rec Skills	1
	Area C-1, History	3 3		Area E, Natural Sci	3
	Area G-1 or G-3, Skills	1 1		Elective	3 6
		16 16			16 15
YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
BUAD 337-338	Business Law	3 3	BUAD 414	Business Policies	3
MATH 215	Statistics	3	BUAD 488	Seminar in Bus Admin	1
BUAD 314	Quant Meth for Bus Dec	3	SECR 315	Business Communications	3
BUAD 334	Princ of Management	3	BUAD 357	Business Ethics	3
BUAD 326	Intro to Marketing	3		Area F-2, Fam/Hlth Sci	2
BUAD 315	Business Finance	3		Area B, Religion	3
	Area B, Religion	3		Area D-3, Fine Arts App	3
	Area E, Natural Sci	3		Elective in Business	3 2
	Elective	4		Elective	4 3
		15 16			15 15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.B.A. COMPUTER INFORMATION SYSTEMS

YEAR 1			YEAR 2		
Semester			Semester		
1st 2nd			1st 2nd		
ACCT 121-122	Prin of Accounting	3 3	ECON 224-225	Prin of Economics	3 3
CPTR 131-132	Fund of Programming	3 3	CPTR 217	COBOL Programming	3 3
ENGL 101-102	College Composition	3 3	CPTR 317	Intro to File Processing	3 3
CPTR 127	Micro Tools	3	MATH 114	Elementary Functions	4
MATH 104	Inter Algebra	3		Area B, Religion	3
SPCH 135	Intro to Pub Speaking	3		Area C-1, History	3 3
	Area B-1, Religion	3		Area D-3, Fine Arts	3
	Area G-1 or G-3, Skills	1 1		Area E, Natural Science	3
		16 16		Area G-3, Rec Skills	1
					16 16
YEAR 3			YEAR 4		
Semester			Semester		
1st 2nd			1st 2nd		
ACCT 321	Cost & Managerial Acct I	3	BUAD 315	Business Finance (Rec.)	3
BUAD 313	Business Statistics	3	BUAD 326	Intro to Marketing (Rec.)	3
BUAD 314	Quant Methods-Bus Decisions	3	BUAD 337	Business Law	3 3
BUAD 334	Principles of Management	3	CPTR 326	Systems Management	2
CPTR 318	Data Structures	3	CPTR 485	Computer Science Seminar	1
CPTR 319	Data Base Mgmt Systems	3		Area B, Religion	3
CPTR 324	Systems Analysis	2		Area E, Natural Science	3
CPTR 325	Systems Design	2		Area F, Psychology	3
	Area B, Religion	3		Electives in Major	5
	Area D-2, Literature	3		General Elective	3
	Area F-2, Family Sci				14 15
	OR	2			
	Area F-3, Health Sci				
		16 14			
SUMMER					
CPTR 409	Software Dev Internship	3			

(Recommended)

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. LONG-TERM HEALTH CARE

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ACCT 121-122	Prin of Accounting	3	3	ECON 224-225	Prin of Economics	3	3
ENGL 101-102	College Composition	3	3	SPCH 135	Intro to Public Spkg	3	3
CPTR 127	Micro Tools		3		Area B, Religion		3
MATH 104	Intermediate Algebra	3			Area D-2, Literature		3
	Area B-1, Religion		3		Area E, Natural Sci		3
	Area C-1, History	3	3		Area F, Fam/Hlth Sci	2	
	Area G-1 or G-3, Skills	1	1		Area G-3, Recreation Skills		1
	Area F-1, Psychology		3		Elective	3	3
		16	16			15	15
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
BUAD 337-338	Business Law	3	3	BUAD 497	LTHC Admin Internship	4	4
BUAD 315	Business Finance		3		Area B, Religion		3
BUAD 334	Princ of Management	3			Elective	3	6
BUAD 357	Business Ethics		3			10	10
SOCI 349	Aging & Society		3				
	Area B-2, Religion	3					
	Area D-3, Fine Arts App		3				
	Elective	3	3				
		15	15				
SUMMER (AFTER YEAR 3)							
BUAD 431	Gen Admin of LTHC Facil	3					
BUAD 432	Tech Aspects of LTHC		3				
BUAD 434	Finan Mgt of LTHC Facil		3				
BUAD 435	Hum Res Mgt/Mkt LTHC		3				
		12					

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.B.A. BUSINESS MANAGEMENT

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ACCT 121-122	Prin of Accounting	3	3	ECON 224-225	Prin of Economics	3	3
ENGL 101-102	College Composition	3	3	ACCT 211	Intermediate Acctg		3
CPTR 127	Micro Tools		3	SPCH 135	Intro to Pub Spkg		3
	Area B-1, Religion		3		Area B, Religion		3
	Area F-1, Psychology		3		Area E, Natural Sci		3
	Area C-1, History	3	3		Area D-2, Literature		3
	Area A-2, Math	0-3			Area G-3, Rec Skills	1	
	Area G-1 or G-3, Skills	1	1		Elective in Business		3
	Minor or Elective	3-0			Elective		2
		16	16		Area F-2, Family/Health	2	
						16	16

YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
BUAD 337-338	Business Law	3	3	SECR 315	Bus Communications	3	
BUAD 326	Intro to Marketing		3	ECON 314	Money & Banking		
BUAD 315	Business Finance	3			OR	3	
MATH 215	Statistics	3		BUAD 347	Bus & Govt		
BUAD 314	Quant Meth for Bus Dec		3	BUAD 357	Business Ethics	3	
ACCT 321	Cost & Manag Acctg	3		BUAD 488	Sem in Bus Admin	1	
BUAD 344	Human Resource Mgt		3	BUAD 414	Business Policies	3	
BUAD 334	Prin of Management	3		BUAD 353	Mgmt of Small Bus	3	
	Area B-2, Religion		3	BUAD 355	Organizational Behav	2	
		15	15		Area B, Religion	3	
					Area D-3, Fine Arts App	3	
					Elective in Business	3	
					Elective	3	
						15	15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. OFFICE ADMINISTRATION

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
SECR 104, 114	Shorthand I, II	4	4	ACCT 121-122	Accounting	3	3
ENGL 101-102	College Composition	3	3	SECR 323	Text Editing	3	
SECR 115	Intermediate Typing	3		SECR 317	Secretarial Procedures	3	
SECR 214	Advanced Typing		3	SECR 221	Office Transcription	3	
SECR 213	Records Management	2		SECR 216	Business English	3	
SECR 223	Word Processing Concepts		2	SECR 324	Advanced Word Processing	3	
	Area B-1, Religion	3		SECR 218	Business Math/Calc Mach	2	
	Area E, Natural Sci		3		Area D, Lang/Lit/F Art/Spch	3	
	Area G-3, Recrea Skills	1			Area B, Religion	3	
		16	15		Elective	2	
						15	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
SECR 315	Business Communications		3	BUAD 334	Prin of Management	3	
BUAD 337	Business Law	3			Area F, Behav & Fam Sci	3	3
	Area C-2, Economics	3			Area D, Lang/Lit/F Art/Spch	3	
	Area E, Natural Science		3		Area G-3, Recreation Skill		
	Area G-2, Computer	3			OR	2	
	Area C, History (W)		3		Area G-1, Creative Skills		
	Area D, Lit/Lang/F Art/Spch	3			Area B, Religion	3	
	Area B-2, Religion		3		Elective (W)	6	5
	Area C-1, History		3		UD Elective in Bus	3	
	Area A-2, Math	3-0				15	16
	Elective	0-3	1				
		15	16				

NOTE: It is recommended that elective hours be applied toward a minor, which consists of 18 hours, 6 of which must be upper division.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.S. OFFICE ADMINISTRATION (Executive Option)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
SECR 104, 114	Shorthand I, II	4	4	SECR 216	Business English		3
ENGL 101-102	College Composition	3	3	SECR 317	Secretarial Procedures		3
SECR 115	Intermediate Typing	3		SECR 315	Business Communications		3
SECR 214	Advanced Typing		3	ACCT 103	College Accounting		3
SECR 218	Business Math & Calc		2	SECR 221	Office Transcription		3
SECR 213	Records Management	2		SECR 323	Word Proc Text Editing		3
SECR 223	Word Processing Conc		2		Area C-1, History		3
	Area B-1, Religion	3			Area D, Lang/Lit/F Art/Spch	2	
	Area G-3, Recreation Skill	1			Area B, Religion		3
	Elective		2		Area E, Natural Science		3
		16	16		Area F-1, Behav Sci	2	
					Elective		1
						16	16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of the make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR A.S. OFFICE ADMINISTRATION (Medical Option)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	SECR 316	Medical Terminology		3
SECR 115	Intermediate Typing	3		SECR 323	Word Proc Text Editing		3
SECR 214	Advanced Typing		3	CPTR 120	Intro Computer Based Sys		3
SECR 213	Records Management	2		SECR 317	Secretarial Procedures		3
SECR 218	Business Math & Calc		2	SECR 333	Adv. Med. Terminology		3
SECR 216	Business English	3		SECR 221	Office Transcription		3
SECR 223	Word Processing Concepts		2		Area C-1, History		3
BIOL 101	Anatomy & Physiology I		3		Area G-2, Accounting		3
	Area B, Religion	3			Area D, Lang/Lit/Speech	2	
	Area F, Behavioral Sci		2		Area B, Religion		3
	Area G-3, Recreation Skill	1			Office Admin Elective		1
	Elective	1	1		Elective	2	
		16	16			16	16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially the requirements for the make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR A.S. OFFICE ADMINISTRATION (Word Processing Option)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	SECR 221	Office Transcription		3
SECR 115	Intermediate Typing	3		SECR 315	Business Communications		3
SECR 214	Advanced Typing		3	SECR 323	Word Proc Text Editing	3	
SECR 213	Records Management	2		SECR 317	Secretarial Procedures		3
SECR 218	Business Math & Calc Mach	2		SECR 324	Adv Word Proc & Transc		3
SECR 223	Word Processing Concepts	2		ACCT 103	College Accounting	3	
CPTR 120	Intro to Computer-Based Sys		3		Elective, Office Admin	2	
SECR 216	Business English	3			Area C-1, History	3	
	Area B-1, Religion	3			Area E, Natural Science		3
	Area G-3, Recreation Skill	1			Area B, Religion	3	
	Elective		3		Area D, Lang/Lit/Spch		2
		15	16		Area F, Behavioral Sci	2	
						16	17

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially the requirements for make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR A.S. HEALTH INFORMATION ADMINISTRATION Formerly Medical Records Administration (Allied Health Professions)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	ACCT 121-122	Prin of Accounting	3	3
BIOL 101-102	Anatomy & Physiology	3	3	SOCI 223	Marriage & the Family		2
PSYC 124	Intro to Psychology	3			Area C-1, History	3	3
SECR 115	Intermediate Typing	3			Area B, Religion		3
MATH 103	Survey of Math		3		Area D, Lang/Lit/F. Arts	2	3
	Area B, Religion		3		Science Sequence	3	3
	Area D-4, Speech		3		Elective		1
	Area G-3, Rec Skills		1			16	16
	Area D, Lang/Lit/F. Arts	3					
	Elective	1					
		16	16				

NOTE: C- is the lowest acceptable grade for a course. The Allied Health Professions Admissions Test (AHPAT) is required.

TYPICAL SEQUENCE OF COURSES FOR B.A. CHEMISTRY

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
CHEM 151-152	General Chemistry	4	4	CHEM 311-312	Organic Chemistry	3	3
ENGL 101-102	College Composition	3	3	CHEM 313-314	Organic Chem Lab	1	1
MATH 114	Elementary Functions	4			Area B, Religion		3
MATH 225	Calculus I		4		Area C-2, Pol Sci/Econ	3	
	Area B, Religion	3			Area D, Lit/Fine Arts/Spch	3	
	Area E, Biol/Phys/E. Sci		3		Area G-1, Creative Skills		
	Area G-3, Rec Skills		1		OR	2	
	Electives or Minor	2			Area G-3, Recreation Skills		
		16	15		Chemistry Elective	3	
					Electives or Minor		9
						15	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
CHEM 315	Analytical Chemistry	4		CHEM 485	Chemistry Seminar	1	
CHEM 321	Instrumental Analysis		4		Area B, Religion		3
CPTR 125	Basic Programming				Area F, Behav/Fam/Hlth Sci	3	
	OR	3			Chemistry Elective	2	
CPTR 131	Fundamentals of Prog I				Electives or Minor		9 12
	Area B, Religion	3				15	15
	Area C-1, History	3	3				
	Area D-1, Foreign Lang	3	3				
	Area F, Behav/Fam/Hlth Sci		3				
	Elective		3				
		16	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. CHEMISTRY

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
CHEM 151-152	General Chemistry	4	4	CHEM 311-312	Organic Chemistry	3	3
ENGL 101-102	College Composition	3	3	CHEM 313-314	Organic Chem Lab	1	1
MATH 114	Elementary Functions	4		MATH 217	Calculus II		
MATH 115	Calculus I		4		OR	3	
CPTR 125	Basic Program Lang		3	MATH 315	Diff Equations		
	Area B, Religion	3			Area B, Religion		3
	Area G-3, Rec Skills	1			Area C-1, History	3	3
	Elective		1		Area D, Lang/Lit/Fine Arts	3	3
		15	15		Area F, Behav/Fam/Hlth Sci	3	
					Elective	2	
						15	16

YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
PHYS 211-212	General Physics	3	3	CHEM 411-412	Physical Chemistry**	3	3
PHYS 213-214	General Physics Lab	1	1	CHEM 413-414	Physical Chem Lab**	1	1
CHEM 315	Analytical Chemistry	4		CHEM 485	Chemistry Seminar	1	
CHEM 321	Instr Analysis		4	CHEM 497	Intro to Research	1-2	
CHEM 325	Organic Qual Anal	2-3			Area B, Religion	3	
	Area B, Religion		3		Area C-2, Pol Sci/Econ	3	
	Area G-1, Creative Skills				Area D, Lang/Lit/Fine Arts	3	
	OR	2			Area F, Behav/Fam/Hlth Sci	3	
	Area G-3, Recreation Skills				Electives	4-3	5
	Chemistry Electives	3	2			16	15
	Electives	1-0	3				
		16	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.B.A. COMPUTER INFORMATION SYSTEMS

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ACCT 121-122	Prin of Accounting	3	3	ECON 224-225	Prin of Economics	3	3
CPTR 131-132	Fund of Programming	3	3	CPTR 217	COBOL Programming	3	
ENGL 101-102	College Composition	3	3	CPTR 317	Intro to File Processing		3
CPTR 127	Micro Tools		3	MATH 114	Elementary Functions	4	
MATH 104	Inter Algebra	3			Area B, Religion	3	
SPCH 135	Intro to Pub Speaking		3		Area C-1, History	3	3
	Area B-1, Religion	3			Area D-3, Fine Arts	3	
	Area G-1 or G-3, Skills	1	1		Area E, Natural Science	3	
		16	16		Area G-3, Rec Skills	1	
						16	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
ACCT 321	Cost & Managerial Acct I	3		BUAD 315	Business Finance (Rec.)	3	
BUAD 313	Business Statistics	3		BUAD 326	Intro to Marketing (Rec.)		3
BUAD 314	Quant Methods-Bus Decisions		3	BUAD 337	Business Law	3	
BUAD 334	Principles of Management	3		CPTR 326	Systems Management	2	
CPTR 318	Data Structures	3		CPTR 485	Computer Science Seminar		1
CPTR 319	Data Base Mgmt Systems		3		Area B, Religion	3	
CPTR 324	Systems Analysis	2			Area E, Natural Science	3	
CPTR 325	Systems Design		2		Area F, Psychology	3	
	Area B, Religion		3		Electives in Major		5
	Area D-2, Literature		3		General Elective	3	
	Area F-2, Family Sci					14	15
	OR	2					
	Area F-3, Health Sci						
		16	14				
SUMMER							
CPTR 409	Software Dev Internship	3					

(Recommended)

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. COMPUTER SCIENCE

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	CPTR 217	COBOL Prog Lang	3	
CPTR 131-132	Fund of Prog I, II	3	3	CPTR 317	Intro to File Proc		3
CPTR 127	Micro Tools	3		CPTR 318	Data Structures	3	
CPTR 219	Sym Assembler Lang		3	CPTR 319	Data Base Mgmt Sys		3
MATH 114	Elem Functions		4	MATH 215	Statistics		3
MATH 104	Int Algebra				Area B. Religion	3	
	OR	3			Area F. Behav/Fam/Hlth Sci	3	2
	Elective				Area G-3, Rec Skills		1
	Area C-1, History	3			Minor or Elective	3	3
	Area B. Religion		3			15	15
		15	16				
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
CPTR 324	Systems Analysis			CPTR 485	Comp Sci Seminar		1
	OR		2		Area B. Religion	3	
CPTR 325	Systems Design				Area C-1, History		3
BUAD 334	Prin of Management	3			Area D. Lit/Fine Arts	3	
	Area B. Religion		3		Area E. Nat Sci	3	3
	Area C-2, Pol Sci/Econ	3			Comp Sci Elective		3
	Area D-1, Foreign Lang	3	3		Minor or Elective	6	6
	Area G-1, Creative Skills					15	16
	OR	1	1				
	Area G-3, Recreation Skills						
	Minor or Elective	6	7				
		16	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. COMPUTER SCIENCE

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
CPTR 131-132	Fund of Prog I, II	3	3	CPTR 217	COBOL Prog Lang	3	
ENGL 101-102	College Composition	3	3	CPTR 317	Intro to File Proc		3
CPTR 127	Micro Tools	3		CPTR 318	Data Structures	3	
CPTR 219	Sym Assembler Language		3	CPTR 319	Data Base Mgmt Sys		3
MATH 104	Intermediate Algebra			MATH 215	Statistics		3
	OR	3			Area B. Religion	3	
MATH	Elective				Area E. Natural Sci.	3	3
MATH 114	Elementary Functions		4		Area F. Behav/Fam/Hlth Sci	3	2
	Area B. Religion		3		Area G-3, Rec Skills		1
	Area C-1, History	3				15	15
		15	16				

YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
CPTR 324	Systems Analysis		CPTR 409	Appl Software Dev Proj	3
	OR	2	CPTR 485	Comp Sci Seminar	1
CPTR 325	Systems Design			Area B. Religion	3
BUAD 334	Prin of Mgmt	3		Area C-1. History	3
	Area B. Religion	3		Area D. Lang/Lit/Fine Art	3
	Area C-2. Pol Sci/Econ	3		Elective, Computer Sci	3
	Area D-1. Foreign Language	3		Elective	6 9
	Area G-1. Creative				15 16
	OR	1 1			
	Area G-3. Recreation Skills				
	Elective, Computer Sci	3 4			
	Elective	3 3			
		16 16			

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.S. COMPUTER SCIENCE

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
CPTR 131-132	Fund of Program I, II	3 3	CPTR 217	COBOL Programming Lang	3
ACCT 121-122	Prin of Accounting	3 3	CPTR 317	Intro to File Processing	3
CPTR 127	Micro Tools	3	CPTR 318	Data Structures	3
CPTR 219	Symbolic Assembler Lang	3	CPTR 319	Data Base Mgmt Systems	3
MATH 104	Intermediate Algebra	1	ACCT 321	Cost Accounting I	3
	OR	3	BUAD 334	Prin of Management	3
MATH	Elective			Area B. Religion	3
MATH 114	Elem Functions & Relations	4		Area C. Hist/Pol Sci/Econ	3
ENGL 101	College Composition	3		Area D. Lang/Lit/Fine Arts	2
	Area B. Religion	3		Area E. Natural Science	3
	Area G-3. Recreation Skills	1		Area F. Behav/Fam/Hlth Sci	2
		16 16		Elective	1
					16 16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements for make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR B.S. ELEMENTARY EDUCATION

YEAR 1		Semester	
		1st	2nd
ENGL 101-102	College Composition	3	3
RELT 138	Adventist Heritage	3	
BIOL 104	Princ of Biology + lab	4	
SOCI 125	Intro to Sociology		3
HLED 203	Safety Education	2	
EDUC 125	Foundations of Education	3	
SPCH 135	Intro to Public Speaking		3
PEAC	Elect (125, 131, 133, 134)	1	
HELD 173	Health and Life		2
EDUC 134	Princ of Christian Educ		2
MATH 103	Survey of Math (math elec)		3
		18	18

NOTE: At the end of this year apply for admission to Teacher Educ. Program. Forms in SH 103.

The PPST and the 16 PFI must be passed at the appropriate levels before taking Education courses 200 or above.

YEAR 3		Semester	
		1st	2nd
ENGL 218	Principles of Grammar	2	
ENGL	Literature Elective		3
EDUC 332	Teaching of Reading	2	
PEAC	Elect (125, 131, 133, 134, 221-222, 374)		1
CHEM PHYS	Elective with lab	4	
EDUC 453	Math Methods		2
EDUC 454	Sci/Hlth Methods	2	
EDUC 456	Language Arts Methods		2
EDUC 333	Developmental Reading		2
LIBR 325	Library Material for Chn		3
PETH 463	PE in the Elem. School		2
RELB	Area B-1, Biblical Stud Elective	3	
		2	
		15	15

NOTE: Apply for Student Teaching. Forms in SH 103.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

YEAR 2		Semester	
		1st	2nd
HIST 154-155	American History	3	3
EDUC 250	Computers in Classroom	2	
GEOG 204	World Geography	3	
ERSC 105	Earth Science (+ lab)	4	
PEAC	Elect (125, 131, 133, 134, 221-222, 374)		1
EDUC 240	Exceptional Child	2	
EDUC 231	Music Methods		2
	OR		
EDUC 230	Art Methods		3
HMNT 205	Arts and Ideas		3
MATH	(104, 114, 215)		3
RELT 255	Christian Beliefs		3
EDUC 217	Psychological Found		3
		18	18

NOTE: An alternative to HMNT 205 is to take both MUHL 115 and ART 318.

YEAR 4		Semester	
		1st	2nd
PEAC	Elect (125, 131, 133, 134, 221-222, 374)		1
EDUC 455	Bible Methods	2	
EDUC 457	Social Studies Methods	2	
ENGL	Literature Elective		3
EDUC 427	Current Issues in Educ		2
EDUC 356	Tests & Measurements		2
EDUC 443	Classroom Competencies		3
EDUC 467	Student Teaching Pract		8
RELB	Area B-1, Biblical Stud Elective	3	
		4	
		15	15

NOTE: NTE Examination must be taken during Senior year before the student can be recommended for certification.

TYPICAL SEQUENCE OF COURSES FOR B.A. PSYCHOLOGY

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	PSYC 217	Educational Psychology	3	3
PSYC 124	Intro to Psychology	3		PSYC 224	Social Psychology	3	
PSYC 128	Developmental Psych		3	BHSF 215	Statistics	3	
	Area D-1, Foreign Lang	3	3		Area G-2, Computer Sci		3
	Area B-1, Bibl Studies	3			Area E-1, Biology	3	3
	Area C-1, History	3	3		Area B-2, Religion	3	
	Area G-3, Rec Skills		1		Area D-2, Literature		3
	Minor Field		3		Minor Field	3	3
		15	16		Elective	1	
						16	15
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
PSYC 315	Abnormal Psychology		3	PSYC 415	History & Sys of Psychology	3	
PSYC 377	Fund of Counseling	3			Area E-2, 3 or 4, Science		3
PSYC 356	Tests & Measurements		3		Area B-1, Bibl Studies	3	
PSYC 384	Experimental Psych	3			Psych Elective		3
	Area B-1, Bibl Studies		3		Elective	9	9
	Area C-2, Poli Sci/Econ	3				15	15
	Area G-1 or G-3, Skills		2				
	Minor Field	3	3				
	Elective	4	2				
		16	16				

NOTE: A second major is very possible. Additional courses in computer science could prove invaluable.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR
A.S. ENGINEERING STUDIES

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
CHEM 151-152	General Chemistry	4	4	ENGR 211-212	Engineering Mechanics	3	3
ENGL 101-102	College Composition	3	3	MATH 217-218	Calculus II and III	3	3
ENGR 149	Engineering Graphics	2		PHYS 211-212	General Physics	3	3
ENGR 150	Computer Graphics		2	PHYS 213-214	General Physics Lab	1	1
MATH 114	Elementary Functions*	4		PHYS 311-312	Gen Phys Calc Applic		2
MATH 115	Calculus I		4	ENGR 214	Circuit Analysis		3
RELB 125	Life & Teachings/Jesus**	3		CPTR 218	Fortran	3	
PSYC 124	Introduction to Psyc**		3	SPCH 136	Interpersonal Comm**	2	
	Area G, P.E. Activity	1	1	HIST 174	Survey of Civilization**	3	
		17	17	RELT 373	Christian Ethics**		3
						18	18

* An elective may be substituted by students who have taken this course in addition to two years of algebra in high school. Engineering studies majors are expected to have completed at least two years of high school algebra.

** With the approval of the engineering adviser, certain other general education courses may be substituted for these courses.

NOTE: The engineering studies program is demanding and difficult to complete in four semesters. Most students are advised to carry sixteen or fewer credits per semester. This can be done and the degree completed in two years if some courses are taken during summer sessions.

(See pages 9-11 and 14-16 for general degree and general education requirements.)

TYPICAL SEQUENCE OF COURSES FOR B.A. ENGLISH

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	HMNT 205	Arts & Ideas		3
	Area C-1, History		3	ENGL 216	Approaches to Lit	3	3
	Area D-1, Interm For Lang	3	3	ENGL 218	Prin of Grammar	2	
	Area B, Religion	3		ENGL 215	Survey of English Lit		3
	Area E, Natural Sci		3		Area A-2, Mathematics	0-3	
	Area G-3, Rec Skills		1		Area F, Behav/Fam/Hlth Sc	3	2
	Area G-2, Practical Skills (Typing suggested)		3		Area B, Religion		3
	Area E, Natural Sci				Area E, Natural Sci		3
	Minor or Elective	3	3		Minor or Elective	7-4	2
		15	16			15	16
YEAR 3		Semester		YEAR 4		Semester	
		1st	2nd			1st	2nd
ENGL 335	Biblical Literature	3		Area D, UD Literature		6	
ENGL 315	Intro to Ling		2	Area C-2, Pol Sci/Econ		3	3
ENGL 314	Creative Writing		3	Area G-1, Creative Skills			
HIST 374	History of England	3		OR		2	
ENGL 214	American Lit		3	Area G-3, Rec Skills			
	Area B, Religion	3		Area B, Religion		3	
	Area D, UD Literature	3	3	Minor or Elective		1	16
	Minor or Elective	3	5			15	16
		15	16				

NOTE: Students planning to obtain educational certification, will need to include the required professional education courses and additional general education requirements in their program.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR
A.S. GENERAL STUDIES

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	Area B, Religion		3	
	Area B, Religion		3	Area E, Natural Science		3	
	Area E-1, Biology	3		Area D, Lang/Lit/Fine Arts		3	3
	Area G-3, Recreation Skills	1	1	Area A, Math		3	
	Area G-1, Creative Skills			Area C, Hist/Govt/Econ		3	
	OR		3	Area G-3, Recreation Skill		1	
	Area G-2, Practical Skills			Elective		7	6
	Elective (area of interest)	3	3			16	16
	Area C, History	3	3				
	Area F, Behavioral Science		3				
		16	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements for make-up of any admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR B.S. HEALTH, PHYSICAL EDUCATION & RECREATION (With Secondary Certification)

YEAR 1			Semester		YEAR 2			Semester	
			1st	2nd				1st	2nd
ENGL 101-102	College Composition		3	3	PETH 265-266	Officiating		2	2
BIOL 101-102	Anatomy & Physiology		3	3	PETH 221-222	Prof Skills, Indiv		2	2
PETH 121-122	Prof Skills, Team		2	2	RELT 138	Adventist Heritage*		3	
EDUC 125	Found of Education*		3		HLED 173	Health and Life*			2
RELT 255	Christian Beliefs*			3	HLED 373	Care/Prev Injuries			2
SOCI 223	Marriage & the Family			2	EDUC 217	Psych Found*			3
EDUC 134	Prin Christian Educ*		2		MATH 104	Inter Algebra			
	Area C-1, History		3	3		OR		3	
			16	16	MATH 103	Survey of Math			
						Area D, Lit/Fine Arts		3	3
						Area D-4, Speech		3	
						Area G-1, Creative Skills			
						OR		2	
						Area G-2, Practical Skills			
								16	16
YEAR 3			Semester		YEAR 4			Semester	
			1st	2nd				1st	2nd
HLED 314	Kinesiology		4		EDUC 356	Tests & Measurements*		2	
HLED 315	Physiology of Exercise			4	EDUC 437	General Methods*		2	
PETH 364	Princ & Admin of PE		3		EDUC 438	Special Methods in PE*		2	
PETH 363	Intro to Meas & Research			3	EDUC 468	Student Teaching*		6	
EDUC 432	Reading in Sec Sch*		2		EDUC 427	Current Issues in Educ*		2	
FDNT 125	Nutrition		3		EDUC 240	Educ of Excep Child*		2	
PEAC 254	Lifesaving			1	HLED 473	Health Education		2	
PEAC 255	Water Safety Instructor			1	PETH 374	Motor Learning		2	
	Area B-1, Bibl Studies*			3	PETH 463	PE in Elem School		2	
	Area C-2, Pol Sci/Econ			3		Directed Study in PE		1	
	Area E-2, E-3 or E-4, Sci		3			Area B-1, Bibl Studies*		3	
			15	15		Area G-1, Creative Skills			
						OR		1	
						Area G-2, Practical Skills			
						Elective		3	
								16	14

* Secondary Certificate requirements.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. HEALTH SCIENCE

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	CHEM 151-152	General Chemistry	4	4
BIOL 101-102	Anatomy & Physiology	3	3	RELT 138	Adventist Heritage	3	
SOCI 223	Marriage & the Family	2		HLED 173	Health and Life		2
	Area B-2, Religion	3		MATH 215	Statistics		3
	Area C-1, History	3	3	PEAC 125	Conditioning	1	
	Area A-2, Mathematics	3-0			Area D-2, Literature		
	Elective	4-7	2		OR	3	3
		16	16		Area D-3, Fine Arts Appr		
					Area D, Lang/Lit/Fine Arts		
					(D-4 Speech suggested)	3	
					Area G, Skills		2
					Elective	2	2
						16	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
HLED 314	Kinesiology	3		HLED 470	Current Issues in Hlth		2
HLED 315	Phys of Exercise		3	HLED 373	Care & Prev of Ath Inj	2	
FDNT 125	Nutrition	3		HLED 473	Health Education	2	
PETH 374	Motor Learning		2		Area B, Religion		3
BIOL 125	Microbiology	3			Area G, Skills	1	
	Area B-1, Bibl Studies		3		Directed Study in PE	1	
	Area C-2, Pol Sci/Econ		3		Elective	9	10
	Area G, Skills	2				15	15
	Approved elec in major	3	3				
	Elective	1	1				
		15	15				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. HISTORY

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
HIST 154, 155	American History	3	3	HIST 174, 175	Survey of Civ	3	3
ENGL 101-102	College Composition	3	3		Area B, Religion	3	
	Area B, Religion	3			Area E, Natural Sci	3	3
	Area A-2, Mathematics		0-3		Area G, Activity Skills	3	
	Area F, Behav/Fam/Hlth Sc	3	2		Area D, Lit/Fine Arts/Spch		3
	Elective				Minor or Elective		4
	OR	3	8-5		Area D, Inter For Lang	3	3
	Area D-1, Beg For Lang					15	16
		15	16				
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
	Area B, Religion	3		HIST 499	Research Meth in Hist		3
	Area C, UD History	3-6	3-6		Area B, Religion	3	
	Area G, Skills		2		Area C, UD History	3-6	3-6
	Area G-3, Recreation Skill		1		Minor or Elective	6-3	13-10
	Area C-2, Pol Sci/Econ	3				15	16
	Minor or Elective	6-3	10-7				
		15	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. FOOD SERVICE ADMINISTRATION

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
FDNT 111-112	Prin Quan Fd Serv I. II	2 2	FDNT 219-220	Adv Fd Serv Prod	3 3
FDNT 113-114	Quan Fd Serv Prod Lab	6 6	PSYC 124	Intro Psyc	
FDNT 129	Inst Bkg Techniques	3		OR	3
FDNT 239	Adv Inst Bkg Tech	3	PSYC 128	Dev Psyc	
ENGL 101	College Comp I	3	FDNT 125	Nutrition	3
	Area B-1, Religion	3	FDNT 126	Foods	2
	Area G-3, Rec Skills	1	FDNT 127	Food Preparation	1
	Elective	1	FDNT 317	Meal Management	3
		15 15		Area A-2, Mathematics	0-3
				Area B-2, Religion	3
				Area D, Lang/Lit/Fine Art	3
				Area E, Natural Sci	3
				Elective	3-0
					15 15
YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
ACCT 121-122	Prin of Acct I, II	3 3	CPTR 120	Intro to Comp-Bsd Sys	3
ECON 213	Surv of Econ	3	HMEC 495	DS (Adv Fd Prep/Sci)	3
FDNT 325	Demonst Techniques	2	BUAD 355	Organiz Behavior	2
FDNT 328	Foods & Nutr Seminar (W)	1	BUAD 353	Manag of Sm Bus	
BUAD 334	Prin of Management	3		OR	3
BUAD 344	Human Resource Mgt.	3		Minor Elective	
FDNT 415	Practicum in Sp Funct	3		Area B, Rel (UD)	3
ENGL 102	College Comp II	3		Area C-1, History (UD)	3 3
BIOL 125	Microbiology	4		Area D, Lang/Lit/Fine Art	3 3
	Area B, Rel (UD)	3		Elective	3
		16 15			15 14
SUMMER OF 3RD YEAR					
FDNT 497	Internship in Food Serv Admin	4			

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.T. FOOD SERVICE

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
FDNT 111-112	Prn/Quan Food Ser I, II	2 2	FDNT 219, 220	Adv Food Serv Prod	3 3
FDNT 113-114	Quan Food Serv Lab I, II	6 6	FDNT 126	Foods	2
FDNT 129	Baking Techniques	3	FDNT 127	Food Preparation	1
FDNT 239	Adv Inst Baking	3	FDNT 317	Meal Management	3
ENGL 101	College Comp	3	SPCH 136	Interpersonal Commun	2
HMEC 146	Consumer Educ	2-3	FDNT 125	Nutrition	3
	OR		PSYC 124	Introduction to Psyc	
BUAD 128	Personal Finance			OR	3
	Area B, Religion	3	PSYC 128	Developmental Psyc	
	Elective	2		Area A-2, Mathematics	0-3
		16 16		Area B, Religion	3
				Elective	1 8-5
					16 16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially the requirements for the make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR CERTIFICATE — FOOD SERVICE

YEAR 1		Semester 1st 2nd	
FDNT 111-112	Prn/Quan Food Ser I, II	2	2
FDNT 113-114	Quan Food Serv Lab I, II	6	6
FDNT 129	Institutional Baking Tech	3	
FDNT 127	Food Preparation	1	
MATH 099	Basic Math (if needed)	0	
HMEC 146	Consumer Education		
	OR	2-3	
BUAD 128	Personal Finance		
SPCH 136	Interpersonal Communic	2	
	Area B, Religion	3	
	Area G-3, Recreat Skills	1	
	Elective	4-3	
		16	16

TYPICAL SEQUENCE OF COURSES FOR B.S. HOME ECONOMICS (Including Professional Education Requirements)

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	HMEC 146	Consumer Education		2
FDNT 126	Foods	2		HMEC 147	Family Resource Mgt.		3
FDNT 127	Food Preparation	1		CLTX 164	Textiles		3
CLTX 165	Basic Clothing	2		CLTX 316	Tailoring (or HMEC elec)		3
HMEC 148	Orientation to Home Ec	1		HLED 203	Safety Education		2
CLTX 166	Inter Clothing		2	FDNT 125	Nutrition		3
EDUC 125	Found of Education	3		PSYC 124	Intro to Psych		3
EDUC 134	Princ of Chris Educ		2	EDUC 240	Educ for Excep Child		2
RELT 138	Adventist Heritage	3		EDUC 432	Reading in Sec Sch		2
	Area E, Natural Sci	3		RELT 255	Christian Beliefs		3
	Area A-2, Math	3			Home Economics Elect		2
	Area C-1, History	3			Area D, Lang/Lit/Fine Art		3
		15	16		Area G-3, Rec Skills		1
						16	16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
HMEC 201-202	Parenting	2	2	HMEC 415	Practicum in Home Ec		2
FDNT 317	Meal Management		3	EDUC 427	Current Issues in Educ		2
FDNT 325	Demonstration Tech		2	EDUC 356	Tests & Measurements		2
HMEC 485	Seminar in Home Ec		2	EDUC 437	Curr & General Meth		2
CLTX 315	Pattern Design		3	EDUC 438	Special Methods		2
EDUC 217	Psyc Found of Educ	3		EDUC 468	Student Teaching		6
HMEC 349	Interior Design		3	RELB	Area B-1, Biblical Studies		3
HLED 173	Health & Life	2			Area C-2, Pol Sci/Econ		3
RELB	Area B-1, Biblical Studies	3			Area D, Lang/Lit/Fine Art		3
	Area C-1, History	3			Area E, Natural Sci		3
	Area D, Lang/Lit/Fine Art	3			Elective		2
		16	15			14	16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.S. HOME ECONOMICS

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
HMEC 148	Orientation to Home Econ	1	FDNT 125	Nutrition	3
CLTX 165	Basic Clothing	2	HMEC 147	Family Resource Mgt.	3
FDNT 126	Foods	2	HMEC 146	Consumer Education	2 2
FDNT 127	Food Preparation	1	HMEC 201	Parenting I	2
ENGL 101	College Composition	3	FDNT 317	Meal Management	3
	Area A-2, Mathematics	0-3	HLED 203	Safety Education	2
	Area B, Religion	3		Area B, Religion	3
	Area C-1, History	3		Area D, Lang/Lit/Fine Art	3
	Area G-3, Recreat Skill	1		Area E, Natural Science	3
	Home Econ Elective	2		Home Economics Elective	3
	Elective	3 11-8		Elective	5
		16 16			16 16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements for the make-up of admissions deficiencies.

TYPICAL SEQUENCE OF COURSES FOR A.S. PRE-DIETETICS (Allied Health Professions)

ANDREWS UNIVERSITY REQUIREMENTS

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Composition	3 3	CHEM 111-112	Survey of Chemistry	3 3
BIOL 101-102	Anatomy & Physiology	3 3	CHEM 113-114	Survey of Chem Lab	1 1
FDNT 126	Foods	2	HMEC 148	Orientation to Home Econ	1
FDNT 127	Food Prep	1	FDNT 125	Nutrition	3
ECON 213	Survey of Economics	3	ACCT 103	College Accounting	3
PSYC 124	Intro to Psychology		FDNT 317	Meal Management	3
	OR	3	BIOL 125	Basic Microbiology	4
SOCI 125	Intro to Sociology		MATH 104	Intermediate Algebra	3
PEAC 125	Conditioning	1	CPTR 120	Intro to Computer Based Sys	3
	Area B, Religion	3 3		Area D, Lit/Fine Arts	3
	Area C-1, History	3		Area G-3, Rec Skills	1
	Area D-4, Speech	3			17 15
		18 18			

NOTE: Minimum grades of C+ in Foods courses and C- in other courses must be earned. The Allied Health Professions Admissions Test (AHPAT) is required.

LOMA LINDA UNIVERSITY REQUIREMENTS

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Comp	3 3	CHEM 111-112	Survey of Chemistry	3 3
BIOL 101-102	Anat & Physiology	3 3	CHEM 113-114	Surv of Chem Lab	1 1
FDNT 126	Foods	2	FDNT 125	Nutrition	3
FDNT 127	Food Preparation	1	ACCT 103	College Accounting	3
SOCI 125	Intro to Sociology	3	FDNT 317	Meal Management	3
ECON 213	Survey of Economics	3	BIOL 125	Basic Microbiology	4
PSYC 124	Intro to Psychology	3	MATH 104	Intermediate Algebra	3
	Area B, Religion	3 3		Area B, Religion	3
	Area C-1, History	3		Area D, Lang/Lit/F. Art	3 3
	Area D-4, Speech	3		Area G-1, Rec Skill	1
		18 18			17 17

NOTE: C- is the lowest acceptable grade for a course. The Allied Health Professions Test (AHPAT) is required.

TYPICAL SEQUENCE OF COURSES FOR B.A. JOURNALISM (Broadcast Journalism Emphasis)

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	JOUR 205	News Reporting	3	
JOUR 105	Writing & Ed-Mass Media	3		JOUR 217	Radio Sta Operations		3
SPCH 135	Intro to Public Spkg	3		JOUR 285	Hist/Theory of Mass Comm		3
	Area B, Religion	3		PLSC 254	American Government		3
	Area E, Natural Sci	3			Area B, Religion	3	
	Area A-2, Mathematics		0-3		Area C-1, History	3	3
	Area G-3, Recreation		1		Area D-1, Inter For Lang	3	3
	Area D-1, Begin For Lang	3	3		Minor or Elective	4	
	Minor or Elective		3-0				16 15
		15	16				
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
JOUR 314	Broadcast News Writing		3	JOUR 427	Mass Media Law & Ethics	3	
JOUR 355	Reporting Pub Affairs	3		JOUR 488	Seminar-Mass Comm & Soc	3	
BUAD 326	Intro to Marketing		3	JOUR 494	Broadcast Jour Workshop		6
BUAD 334	Princ of Management	3		JOUR 497	Internship (Rec)		3
	Area B, Religion	3			Area B, Religion		3
	Area E, Natural Sci		3		Area G, Skills	2	
	Area G, Skills	3			Area F-1, Behav Sci	3	
	Area F-2, Family Sci				Minor or Elective	5	3
	OR		2				16 15
	Area F-3, Health Sci						
	Minor or Elective	3	5				
		15	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. JOURNALISM (News Editorial Emphasis)

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	JOUR 205	News Reporting	3	
JOUR 105	Writing & Ed-Mass Media		3	JOUR 285	Hist/Theory of Mass Comm		3
JOUR 225	Intro to Photography	3		ECON 213	Survey of Economics	3	
ART 109	Design I	3		PLSC 254	American Government		3
	Area B, Religion		3		Area B, Religion	3	
	Area E, Natural Sci		3		Area D-1, Begin For Lang	3	3
	Area A-2, Mathematics		0-3		Area C-1, History	3	3
	Area D-4, Speech		3		Minor or Elective		3
	Area G-3, Recreation		1				15 15
	Minor or Elective	3-0	3				
		15	16				

YEAR 3		Semester		YEAR 4		Semester	
		1st	2nd			1st	2nd
JOUR 326	News Com & Crit Wrtg	3		JOUR 488	Seminar-Mass Comm & Soc	3	
JOUR 355	Reporting Pub Affairs		3	JOUR 427	Mass Media Laws		3
JOUR 316	Mag & Feature Writing	3		JOUR 425	Science & Tech Writing	3	
	Area B, Religion		3	JOUR 497	Jour Internship (Rec)		3
	Area E, Natural Sci		3		Area B, Religion		3
	Area D-1, Inter For Lang	3	3		Area F-1, Behavioral Sci	3	
	Area F-2, Family Sci				Area G-2, Practical Skills		
	OR	2			OR	2	
	Area F-3, Health Sci				Area G-3, Recreation		
	Minor or Elective	5	4		Minor or Elective	5	6
		16	16			16	15

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. PUBLIC RELATIONS

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	JOUR 205	News Reporting	3	
SPCH 135	Intro to Public Spkg	3		JOUR 225	Intro to Photography	3	
JOUR 105	Writing & Ed-Mass Media		3	TECH 145	Graphic Arts	3	
ART 109	Design I	3		ECON 213	Survey of Economics	3	
	Area B, Religion		3		Area B, Religion		3
	Area D-1, Begin For Lang	3	3		Area D-1, Intermed For Lang	3	3
	Area A-2, Mathematics	0-3			Area E, Natural Sci		3
	Area G-3, Recreation		1		Area F-1, Behavioral Sci		3
	Minor or Elective	3-0	3		Minor or Elective		4
		15	16			15	16
YEAR 3		Semester		YEAR 4		Semester	
		1st	2nd			1st	2nd
JOUR 316	Mag & Feature Writing	3		PREL 380	Case Studies		2
PREL 334	Pub Rel Principles	2		PREL 406	Public Opinion	3	
PREL 344	Fund of Advertising		2	PREL 368	Fund Development (Rec)		3
PREL 365	Pub Rel Techniques		3	PREL 497	Internship (Rec)	3	
BUAD 326	Intro to Marketing	3		JOUR 427	Mass Media Law & Ethics		3
BUAD 355	Organizational Behavior	2		JOUR 488	Seminar-Mass Comm & Soc		3
	Area B, Religion		3	JOUR 315	Adv Photography (Rec)		2
	Area C-1, History	3	3		Area B, Religion	3	
	Area E, Natural Sci		3		Minor or Elective	6	3
	Area F-2, Family Sci					15	16
	OR	2					
	Area F-3, Health Sci						
	Minor or Elective	2					
		15	16				

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. MATHEMATICS

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Composition	3 3	MATH 217	Calculus II	3
MATH 114	Elementary Functions*	4	MATH 218	Calculus III	3
MATH 115	Calculus I	4	MATH 216	Set Theory & Logic	2
	Area B. Religion	3	CPTR 218	Fortran Program Lang	3
	Area C-1. History	3 3		Area B. Religion	3
	Area F-2. Family Sci			Area B. Science	3 3
	OR	2		Area F-1. Behav Science	3
	Area F-3. Health Sci			Area G-3. Recreation	1
	Area D-1. Beg Foreign Lang	3 3		Area G-1. Creative Skills	
		15 16		OR	2
				Area G-3. Recreation	
				Elective or Minor	2 3
					15 16
YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
MATH 318	Algebraic Structures**	3	MATH 411-412	Intermediate Analysis**	3 3
MATH 319	Linear Algebra**	3	MATH 485	Mathematics Seminar**	1
MATH	Elective	3		Area D. Foreign Lang	3 3
	Area B. Religion	3		Area B. Religion	3
	Area C-2. Pol Sci/Econ	3		Elective or Minor	6 9
	Area D. Lit/Fine Arts/Spch	3			16 15
	Elective or Minor	7 6			
		16 15			

* This course may be replaced with Statistics if an equivalent precalculus course was taken in high school.

** These courses may be offered during the 3rd or 4th year.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. MATHEMATICS

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
ENGL 101-102	College Composition	3 3	PHYS 211-212	General Physics	3 3
MATH 114	Elementary Functions*	4	PHYS 213-214	General Physics Lab	1 1
MATH 115	Calculus I	4	MATH 217	Calculus II	3
	Area B. Religion	3	MATH 218	Calculus III	3
	Area C-1. History	3 3	MATH 216	Set Theory & Logic	2
	Area F-2. Family Sci		CPTR 218	Fortran Program Lang	3
	OR	2		Area B. Religion	3
	Area F-3. Health Sci			Area F-1. Behav Science	3
	Elective	3 3		Area G-3. Recreational	1
		15 16		Area G-1. Creative Skills	
				OR	2
				Area G-3. Recreational	
				Elective	3
					15 16

YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
MATH 318	Algebraic Structures**	3	MATH 411-412	Intermediate Analysis**	3 3
MATH 319	Linear Algebra**	3	MATH 485	Mathematics Seminar**	1
MATH 317	Complex Variables**	3	MATH	Elective	3 4
MATH	Elective	3		Area D. Lang/Lit/Fine Art	3 3
	Area B. Religion	3		Area B. Religion	3
	Area C-2, Pol Sci/Econ	3		Elective	3 5
	Area D. Lang/Lit/Fine Art	3			16 15
	Area E. Science	3			
	Elective	4 3			
		16 15			

* This course may be replaced with Statistics if an equivalent precalculus course was taken in high school.

** These courses may be offered during the 3rd or 4th year.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

B.A. FRENCH

B.A. GERMAN

B.A. SPANISH

B.A. INTERNATIONAL STUDIES

See Modern Language Department for curriculum outlines.

TYPICAL SEQUENCE OF COURSES FOR B.A. MUSIC

YEAR 1		Semester 1st 2nd	YEAR 2		Semester 1st 2nd
MUCT 111-112	Music Theory I & II	3 3	MUCT 211-212	Adv Theory III & IV	3 3
MUCT 121-122	Aural Theory I & II	1 1	MUCT 221-222	Adv Aur Th III & IV	1 1
ENGL 101-102	College Composition	3 3	MUPF 189	Applied Concentration —	
MUPF 189	Applied Concentration —			Instrument/Voice	1 1
	Instrument/Voice	1 1		Music Ensemble	1 1
	Music Ensemble	1 1		Funct Piano Requirement	
	Area A-2, Mathematics	0-3		Area B. Religion	3
	Area G-3, Recreation	1		Area G-2 or G-3, Skills	2
	Area B. Religion	3		Area D-1, Foreign Lang	3 3
	Minor or Elective	2 6-3		Area C-1, History	3 3
		15 15		Minor or Elective	2
					15 16
YEAR 3		Semester 1st 2nd	YEAR 4		Semester 1st 2nd
MUHL 314	Hist of Music I (W)	4	MUCT 313	Orch & Arr	
MUHL 315	Hist of Music II (W)	4		OR	3
MUPF 389	Applied Concentration	1 1	MUCT 413	Anal of Mus Form	
	Music Ensemble	1	MUPF 389	Applied Concentration	1 1
	Area B. Religion	3		Senior Recital	
	Area E. Natural Sci	3 3		Area B. Religion	3
	Area F. Behav/Fam/Hlth Sci	3 3		Minor or Elective	12 11
	Area C-2, Poli Sci/Econ	3			16 15
	Minor or Elective	1 2			
		16 16			

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements for the make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.Mus. MUSIC EDUCATION

YEAR 1			YEAR 2		
		Semester 1st 2nd			Semester 1st 2nd
MUCT 111-112	Music Theory I & II	3 3	MUCT 211-212	Adv Mus Theory III & IV	3 3
MUCT 121-122	Aural Theory I & II	1 1	MUCT 221-222	Adv Aur Theory III & IV	1 1
ENGL 101-102	College Composition	3 3	MUHL 314, 315	Hist of Music	
EDUC 134	Princ of Christian Ed	2		OR	3-4 3-4
EDUC 125	Foundations of Ed	3	MUHL 477, 478	Cond Tech	
RELT 255	Christian Beliefs	3	RELT 138	Adventist Heritage	3
MUPF 189	Applied Concentration	2 2	HELD 173	Health & Life	2
	Music Ensemble	1 1	MUPF 189	Applied Concentration	2 2
	Area C-1, History			Music Ensemble	1 1
	OR	3		Secondary Inst	1 1
	Area C-2, Poli Sci/Econ			Area G-3, Rec Skills	1
	Area G-3, Rec Skills	1		Music Ed Elective	2 2
		16 16			16-17 16-17
YEAR 3			YEAR 4		
		Semester 1st 2nd			Semester 1st 2nd
MUHL 314, 315	History of Music		MUED 439	Pre Student Tchg	1
	OR	3-4 3-4	EDUC 468	Student Teaching 7-12	6
MUHL 477, 478	Cond Tech		EDUC 432	Reading in Sec School	2
MUCT 313	Orchestration & Arr		EDUC 427	Curr Issues in Educ	2
	OR	3	EDUC 356	Tests & Measurements	2
MUCT 413	Anal of Mus Form		EDUC 240	Educ of Excep Child	2
MUED 231	Music Meth Elem School	2	EDUC 217	Psyc Found of Educ	3
MUPF 389	Applied Concentration	2 2	MUPF 389	Applied Concentration	2
	Music Ensemble	1 1		Music Ensemble	1
	Area A-2, Mathematics	3		Senior Recital	
	Area B-1, Biblical Studies	3		Area B, Biblical Studies	3
	Area E, Natural Sci	3 3		Area D-1, Intermed Forgn Lg	
	Area G-3, Rec Skills	1		OR	3
	Music Ed Elective	2		Area D-2, Literature	
		16-17 16-17			16 11
ONE SUMMER TERM PRIOR TO GRADUATION:					
	Area G-3, Rec Skills				1
	Area C-2, Pol Sci/Econ				3-0
	Area C-1, History				3-6
					7

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements for the make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR A.S. & B.S. NURSING

(The first two years of the program lead to the Associate of Science degree and the last two years to the Bachelor of Science degree.) Must include at least 69 semester hours for the associate and 131 (40 of which are upper division) for the baccalaureate degree, and make-up of any admissions deficiencies.

SUMMER

BIOL 101 Anatomy & Physiology I 3

YEAR 1

Semester
1st 2nd

ENGL 101-102 College Composition 3 3
BIOL 102 Anatomy & Physiology II 3
FDNT 125 Nutrition 3
NRSG 105 Basic Nursing I 5
NRSG 116 Basic Nursing II 5
NRSG 117 Basic Nursing II 5
PSYC 128 Developmental Psych 3
Area B, Religion 3

3
17 16

YEAR 2

Semester
1st 2nd

BIOL 125 Microbiology 4
NRSG 215 Basic Nursing III 4
NRSG 216 Basic Nursing III 4
NRSG 218 Basic Nursing IV 7
SOCL 125 Intro to Sociology 3
NRSG 223 Nursing Seminar 1
Area B, Religion 3
Area C-1, History 3

15 14

SUMMER

NRSG 217 Basic Nursing III 4
MATH Area A-2, Mathematics (if needed) 3

7

Prerequisite to Year 3:

CHEM 111 Survey of Chemistry 3

YEAR 3

Semester
1st 2nd

NRSG 324 Prof Nurs Perspectives 1
NRSG 325 Adv Physiology 4
NRSG 327 Nursing Assessment 4
NRSG 335 Community Health 6
CHEM 203 Concepts of Biochem 4
MATH 215 Statistics 3
RELT 373 Christian Ethics 3
Area F-1, UD Behav Sci 3
Area C-1, History or
Area D (Area C-1 unless
one was included in AS
degree.) 3

3
15 16

YEAR 4

Semester
1st 2nd

NRSG 387 Home Health/Gerontology 3
NRSG 389 Pharmacology 2
NRSG 394 Nurs Research Methods 3
NRSG 425 Adv Nursing Concepts 4
NRSG 484 Adv Nursing Pract I 6
NRSG 485 Adv Nursing Pract II 4
Area B, Religion 3
Area D, Lang/Lit/Fine Arts/
Speech 3

15 13

TYPICAL SEQUENCE OF COURSES FOR B.A. PHYSICS

YEAR 1			YEAR 2		
		Semester 1st 2nd			Semester 1st 2nd
ENGL 101-102	College Composition	3 3	PHYS 211-212	General Physics	3 3
PHYS 155	Descriptive Astronomy	3	PHYS 213-214	General Physics Lab	1 1
MATH 114	Elementary Functions	4	CPTR 218	Fortran	3
MATH 104	Intermediate Algebra	3	MATH 115	Calculus I	4
CPTR	Basic, Pascal, or Fortran	3		Area C-2, Pol Sci/Econ	3
	Area B, Religion	3		Area D-1, Foreign Lang	3 3
	Area C-1, History	3 3		Area B, Religion	3
	Area F-2, Family Sci			Minor or Elective	1 3
	OR	3			15 16
	Area F-3, Health Sci				
		15 16			
YEAR 3			YEAR 4		
		Semester 1st 2nd			Semester 1st 2nd
PHYS 310	Modern Physics	3	PHYS 480	Scientific Writing	1
MATH 217	Calculus II	3	PHYS	Elective	3 3
PHYS 497	Research	1		Area B, Religion	3
TECH 174	General Metals	3		Area D, Lit/Fine Arts/Spch	3
AUTO 114	Oxy-Acetylene Welding	1		Area G, Creat or Rec Sk	2
PHYS	Elective	3 3		Minor or Elective	11 5
	Area F-1, Behav Sci	3			15 16
	Area B, Religion	3			
	Area G-3, Recreation Skills	1			
	Area E-1, E-2, or E-4, Sci	3			
	Minor or Elective	4			
		15 16			

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.S. PHYSICS

YEAR 1			YEAR 2		
		Semester 1st 2nd			Semester 1st 2nd
ENGL 101-102	College Composition	3 3	PHYS 311-312	Gen Phys Calc Appl	1 1
PHYS 211-212	General Physics	3 3	PHYS 310	Modern Physics	3
PHYS 213-214	General Physics Lab	1 1	MATH 115	Calculus I	4
MATH 104	Intermediate Algebra	3	MATH 315	Differential Equations	3
MATH 114	Elementary Functions	4	MATH 216	Set Theory & Logic	2
	Area C-1, History	3 3	RELT 138	Adventist Heritage	3
	Area G-1 or G-3, Skills	2	CPTR	Basic, Pascal, or Fortran	3
	Area B, Religion	3		Area D, Lang/Lit/Fine Art	4
		16 16		Area F-1, Behav Sci	3
				Area D-2, Literature	3
					15 15

YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
PHYS 411-412	Electric & Magnetism	3	3	PHYS 418, 419	Modern Physics	3	3
PHYS 410	Analytic Mechanics		3	MATH 317	Complex Variables		3
PHYS 314	Thermodynamics		3	PHYS 497	Research	1	
PHYS 313	Physical Optics		3	PHYS 480	Scientific Writing		1
RELT 317	Iss in Phys Sci & Rel		3	TECH 174	General Metals		3
MATH 217	Calculus II		3	PHYS	Elective	1	
MATH 218	Calculus III		3		Area E-1, E-2 or E-4, Sci		3
AUTO 114	Oxy-Acetylene Welding		1		Area B, Religion		3
	Area F-2, Family Sci				Area C-2, Pol Sci/Econ	3	
	OR		2		Elective	3	3
	Area F-3, Health Sci					14	16
	Area D-4, Speech		2				
	Area G-3, Recreation		1				
	Elective		2				
			16				16

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. RELIGION — MINISTERIAL (Seminary Track)

YEAR 1		Semester 1st 2nd		YEAR 2		Semester 1st 2nd	
ENGL 101-102	College Composition	3	3	RELT 271-272	Elem NT Greek	4	4
RELB 125	Teachings of Jesus		3	BUAD 128	Pers Finance (or elect)		3
RELT 138	Adventist Heritage		3	SOCI 223	Marr & Family		2
SPCH 135	Intr to Public Speaking		3	MATH	Area A-2, Mathematics	3	
	Area E-2, E-3, or E-4, Sci		3		Area G-3, Recreat Skills	1	
	Area D, Lit/Fine Arts		3		*Area G, Activity Skills		3
	Area F-1, Behav Sci		3		*Elective	5	6
	Area C-2, Pol Sci/Econ		3			16	15
	*Elective		4				
			15				16
YEAR 3		Semester 1st 2nd		YEAR 4		Semester 1st 2nd	
RELT 311-312	Intermediate Greek	3	3	RELB 435, 436	New Test Studies	3	3
RELP 321, 322	Homiletics	2	2	RELT 484, 485	Christian Theology	3	3
HIST 364, 365	Christian Church	3	3	RELT 471-472	Biblical Hebrew	2	2
RELB 345	Pentateuch		3	RELB 425	Daniel	3	
RELB 346	O.T. Prophets		3	RELB 426	Revelation		3
BIOL 325	Issues of Nat Sci & Relgn		3		*Elective	4	4
	Area G, Skills		2			15	15
	*Elective		2				
			16				16

* See Religion Division for suggested courses.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. RELIGION — MINISTERIAL

(Non-Seminary)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	RELL 271-272	Elem NT Greek	4	4
RELB 125	Teachings of Jesus	3		RELT 236	Bible Interp		3
RELT 138	Adventist Heritage		3	EDUC 134	Prin Christian Educ	2	
SPCH 135	Intr to Public Speaking	3		SOCI 223	Marr & Family		2
SPCH 136	Interpersonal Comm		2	BUAD 128	Pers Finance (recommend)		3
	Area C-2, Pol Sci/Econ	3			Area A-2, Mathematics	3	
	Area E-2, E-3, or E-4, Sci	3			*Area G, Activity Skills	3	
	Area D, Lit/Fine Arts		3		Elective	4	3
	Area F-1, Behavioral Sci		3			16	15
	Area G-3, Recreation Skills	1					
	Elective		1				
		16	15				
YEAR 3		Semester		YEAR 4		Semester	
		1st	2nd			1st	2nd
RELP 321, 322	Homiletics	2	2	RELB 435, 436	New Test Studies	3	3
HIST 364, 365	Christian Church	3	3	RELT 484, 485	Christian Theology	3	3
RELP 351-352	Pastoral Ministry	2	2	RELB 425	Daniel	3	
RELB 345	Pentateuch	3		RELB 426	Revelation		3
RELB 346	Old Test Prophets		3	RELP 455	Pers & Publ Evangelism		3
BIOL 325	Iss Nat Sci & Rel	3			Elective	7	3
	Area G, Activity Skills		2			16	15
	Elective	3	3				
		16	15				

* See Division Chairman for recommended courses.

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR B.A. RELIGION — NON-MINISTERIAL (Including Courses for Teacher Certification)

YEAR 1		Semester		YEAR 2		Semester	
		1st	2nd			1st	2nd
ENGL 101-102	College Composition	3	3	EDUC 217	Psych Found of Educ	3	
RELB 125	Teaching of Jesus	3		HELD 173	Health & Life		2
RELT 138	Adventist Heritage		3	EDUC 240	Ed for Except Child		2
EDUC 125	Found of Education	3		SOCI 365	Family Relations		3
EDUC 134	Prin Christian Educ		2		Area C-2, Pol Sci/Econ	3	
	Area C-1, History	3	3		Area A-2, Mathematics	3	
	Area D-2, Literature				Area G, Skills	3	2
	OR	3			Area E, Natural Sci		3
	Area D-3, Mus & Art Appr				Area D-2, Literature		
	Area G-3, Recreation Skills	1			OR	3	
	Area E, Natural Science		3		Area D-3, Mus & Art App		
	Elective		2		Minor or Elective	2	3
		16	16			16	16

INDEX

YEAR 3		Semester	
		1st	2nd
RELL 271-272	Elem N.T. Greek	4	4
RELB 435, 436	New Test Studies	3	3
RELB 345	Pentateuch	3	
RELB 425	Daniel	3	
RELB 426	Revelation	3	
RELB 346	Old Test Prophets	3	
RELT 484	Christian Theology II	3	
EDUC 432	Reading in Sec School	2	
		15	16

YEAR 4		Semester	
		1st	2nd
RELT 485	Christian Theology I	3	
EDUC 427	Current Issues in Educ	2	
EDUC 356	Tests & Measurements	2	
EDUC 438	Sec Meth Tchg Bible	2	
EDUC 437	Curriculum & Gen Meth	2	
EDUC 468	Student Tchg 7-12	6	
Minor or Elective		12	
		15	14

See pages 9-11 and 14-16 for general degree and general education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

TYPICAL SEQUENCE OF COURSES FOR CERTIFICATE — AUTO BODY REPAIR

A program which provides intensive exposure and correlated experience in the various facets of auto body repair.

FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
AUTO 114	Oxy-Acetylene Welding	1	AUTO 118	Collision Repair II	4
AUTO 111	Painting & Refinishing I	4	AUTO 120	Collision Repair III	5
AUTO 110	Panel & Sport Repair	5	AUTO 112	Painting & Refinishing II	2
AUTO 118	Collision Repair I	4	AUTO 364	Auto Repair	3
TECH 164	Auto Maintenance	2	Area B, Religion		3
		16			16

At the end of the second semester and nearly 1,000 hours of instruction and lab time the successful student will have skills to do:

- (1) major collision repair
- (2) frame alignment
- (3) job estimating
- (4) complete re-paint work
- (5) powerplant and drive train repair

A certificate will be awarded upon satisfactory completion of 900 plus hours of instruction and lab time.

In addition to introductory repair projects each student will be involved in at least three major collision repair projects.

Enrollment in the Auto Body Diploma Program is limited. Applications to this program should be sent directly to Francis Hummer, Instructor, for approval. Students whose applications are approved by August 1 will receive a scholarship in the amount of one-half the tuition in addition to whatever other grants and scholarships for which they may be eligible.

INDEX

Absences	27	Bachelor of Music	144
Academic Calendar	Inside back	Bachelor of Science	19
Academic Divisions	35	Behavioral Science	44
Academic Enrichment Services	30	Family Studies	45
Academic Honesty	24	Sociology	45
Academic Information	21	Biology	49
Academic Policies	9	Business Administration	55
Academic Probation and Dismissal	25	Chemistry	70
Accounting, Courses in	62	Communication: Public Relations	122
Accounts, Statements and Billing	202, 204	Computer Science	74
Accreditation and Memberships	7, 154	Education	
Administration Building	8	Accreditation	80
Administrative Staff	225	Elementary	83
Admissions	195	Professional Semester	82
Admission to Teacher Education	81	Secondary	85
Advance Payment	204	Food Service Administration	114
Adventist Colleges Abroad		Health Science	103
Financial Policy	204	Home Economics	113
Advisory Councils	229	Long-Term Health Care	58
Allied Health Professions	36	Mathematics	130
E. A. Anderson Lecture Series	30	Medical Science	181
Florence Oliver Anderson Lecture Series	31	Medical Technology	36
Anesthesia	182	Nursing	151
Application Procedure	198	Office Administration	55
Art, Courses in	41	Physics	164
Associate Degree Programs	20	Social Work	20, 45
Accounting	59	Technology	177
Allied Health	38	Banking and Cash Withdrawals	209
Computer Science	74	Bankruptcy	208
Dietetics	114	Behavioral Science, Courses in	45
Engineering Studies	96	Biblical Languages, Courses in	176
Food Service	115	Biblical Studies, Courses in	172
General Studies	181	Biology, Courses in	50
Home Economics	113	Board of Trustees	224
Nursing	154	Executive Board	224
Office Administration	59	Brock Hall	8
Technology	177	Business Administration,	
Attendance Regulations	27	Courses in	64
Auditing Courses	21	Business and Technology,	
Auto Body, Diploma Program	177	Division of	35
Baccalaureate Degree Programs	19		
Bachelor of Arts	19	Campus Organizations	192
Art	41	Certification	7, 80
Biology	49	Challenge Exams	28
Chemistry	70	Chamber Music Series	31
Computer Science	74	Changes in Registration	21
English	98	Chapel Attendance	27, 193
French	135	Chemistry, Courses in	70
German	135	Class Attendance	27
Health, Physical Education		Class Standing	11
and Recreation	103	CLEP Exams	28
History	108	Collection Policy	207
International Studies	135	College Administration	225
Journalism and Communication	120	College Plaza	8
Broadcasting	122	College Publications	121
News Editorial	121	Collegedale Church	8
Public Relations	122	Commercial Auxiliaries Managers	226
Mathematics	130	Computer Center	8
Music	140	Computer Science, Courses in	76
Physics	164	Concert-Lecture Series	192
Psychology	80	Conduct	192
Religion	169	Correspondence Work	29
Spanish	135	Counseling	190
Bachelor of Business Administration	56	Course Load	22

Course Numbers	30
Course Sequence	30
Curriculum Outlines	246-281
Daniells Hall	8
Dean's List	18
Degree Requirements, Basic	10
Degrees Offered	19
Associate Degrees	20
Bachelor of Arts	19
Bachelor of Music	19, 141
Bachelor of Science	19
Bachelor of Business	
Administration	19, 56
Bachelor of Social Work	20, 45
General Education	
Requirements	14
Major and Minor	
Requirements	19
Dental Hygiene	38
Dentistry	182
Dietetics	114
Dining Services	189
Dismissal	25
Distinguished Dean's List	18
Divisions, Academic	35
E. A. Anderson Lecture Series	30
Earth Science, Courses in	167
Economics, Courses in	64
Education, Courses in	88
Elementary Education	83
Emeriti Faculty	232
Employment Service	191
English, Courses in	98
Proficiency in	197
Engineering	96
Eugene A. Anderson Heiller Organ	
Concert Series	31
Examinations	
Attendance	27
Credit by	28
CLEP	28
Special	28
Special Fees	202
Expenses	200
Facilities	8
Faculty	
Adjunct	240
Committees	241
Directory	233
Emeriti	232
Financial Information	200
Aid	213
Grants	218
Loans	219
Satisfactory Academic	
Progress for	214
Scholarships	217
Veterans	217
Banking and Cash Withdrawals	209
Expenses	
Advance Payments	204

Application Fee	190
Estimated Student Budget	200
Food Service	203
Housing	202
International Student Deposit	204
Late Registration	202
Special Fees and Charges	201
Student Costs	200
Student Tithing	211
Tuition	200
Tuition Refunds	206
Family Rebate	200
Methods of Payment	204
Florence Oliver Anderson	
Lecture Series	31
Food and Nutrition, Courses in	116
Food Service Administration	114
Food Service, One-Year	
Certificate Course	115
Foreign Study	134
French, Courses in	137
Freshman Standing	195
Full-Time Student	22
General Education, Purpose of	13
General Education Requirements	14
General Studies	181
Geography, Courses in	111
German, Courses in	137
Grading System	23
Graduation in Absentia	12
Graduation Requirements	12
Graduation with Honors	18
Greek, Courses in	176
Grievance Procedure	26
Guidance and Counseling	190
Hackman Hall	8
Health Education, Courses in	105
Health Insurance	207
Health, Physical Education and	
Recreation, Courses in	103
Health Service	190
History of the College	6
History, Courses in	108
Home Economics, Courses in	113
Home Management, Courses in	117
Honor Roll	18
Honors, Graduation with	18
Honors Program	17
Honors Studies Sequence	17
Housing	202
Deposit	203
Humanities, Courses in	112
Humanities, Division of	35
Humanities/Perspectives Film Series	31
Incompletes	23
Industrial Education, See Technology	
Instructional Media	32
Interest	207
International Students	197
Journalism, Courses in	124

INDEX

Labor Regulations	209	Objectives of the College	5
Foreign Students	211	Occupational Therapy	39
Labor-Class Load	210	Office Administration, Courses in	67
Late Registration	202	One-Year Certificates	11, 20
Law	183	Auto Body, Repair and Refinishing	177
Ledford Hall	8	Food Service	115
Libraries	32	Optometry	185
Library Science, Courses in	128	Organizations	192
Loans	219	Orientation Program	190
Major and Minor Requirements	19	Osteopathic Medicine	185
Mathematics, Courses in	130	Overseas Study	134
Mazie Herin Hall	8	Petition	26
McKee Library	8, 32	Pharmacy	186
Medical Records Administration	60	Philosophy	5
Medical Science	181	Physical Education Building	8
Medical Technology, Course in	36	Physical Education, Courses in	104
Medicine	184	Physical Therapy	39
Minors		Physics, Courses in	164
Art	41	Placement	191
Behavioral Science	45	Political Science, Courses in	111
Biblical Languages	171	Practical Theology, Courses in	174
Biology	49	Pre-professional and	
Business Administration	60	Technical Curricula	20, 38, 114, 182
Chemistry	70	Anesthesia	182
Computer Science	75	Dental Hygiene	38
English	98	Dentistry	182
Foods and Food Service	113	Dietetics	114
French	135	Engineering	96
German	135	Law	183
Health, Physical Education, and Recreation	103	Medical Records Administration	60
History	109	Medical Technology	36
Home Economics	113	Medicine	184
Journalism and Communication	123	Occupational Therapy	39
Broadcast	123	Optometry	185
News Editorial	123	Osteopathy	185
Public Relations	123	Pharmacy	186
Mathematics	130	Physical Therapy	39
Music	144	Public Health Science	186
Office Administration	60	Veterinary Medicine	187
Physics	164	President's Lecture Series	32
Practical Theology	171	Probation	25
Religion	171	Programs of Study	9
Sociology	45	Psychology, Courses in	94
Spanish	135	Public Health Science	186
Technology	177	Publications	121, 191
Modern Languages, Courses in	137	Radio Station, WSMC FM90.5	33, 121
Montessori Option	83	Rebate, Family	200
Music, Courses in	145	Refund Policy	206
Curricula		Credit Refund	207
Bachelor of Music	141	Financial Aid Refund Policy	216
Bachelor of Arts	144	Registration	21
Ensembles	149	Registry	223
Fees	201	Rehabilitation Act	189
Nursing, Courses in	156	Religion Center	8
Accreditation	154	Religion, Courses in	172
Admission Requirements	154, 158, 196	Religious Organizations	192
Expenses	202	Residence Halls	189
Loans	219	Residence Requirements	12
Scholarships	220	Right of Petition	26
		Satisfactory Academic Progress	25, 214
		Scholarships	220

Scholastic Probation	25	Talge Hall	8
Science, Division of	35	Teacher Education Certification	85
Secondary Education	85	Technology	177
Senior Placement Service	191	Textiles and Clothing, Courses in	119
Sequence of Courses	30	Thatcher Hall	8
Service Auxiliaries, Managers	226	Theology, Courses in Practical	174
Setting of College	6	Tithe and Church Expense	211
SC Principals and Presidents	223	Transcripts	29, 202, 208
SC Students	7, 228	Transfer of Credit	12, 196
Bachelor of Social Work	45	Transfer Students	196
Social Work, Courses in	46	Trustees, Board of	224
Sociology, Courses in	47	Tuition and Fees	200
So-Ju-Conian Hall	8	Tuition Refunds	206
Southern Facts	Inside Front Cover		
Southern Scholars	17	Upper Division	13
Arthur W. Spalding School	8		
Spanish, Courses in	138	Veterans	217
Special Student	199	Veterinary Medicine	187
Special Fees and Charges	201		
Speech, Courses in	127	Waiver Examinations	28
Staley Christian Scholar		Withdrawals	209
Lecture Series	33	Lynn Wood Hall	8
Standards of Conduct	192	J. Mabel Wood Hall	8
Student Association	191	Work-Study Schedule	22
Student Center	8	Worship Services	193
Student Directory	228	Wright Hall	8
Student Employment Service	191	WSMC FM90.5	31
Student Life and Services	189		
Study and Work Load	22		
Subject Requirements			
for Admission	195		
Summerour Hall	8		

Notes

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1987-88 ACADEMIC CALENDAR

	1987 Summer Sessions*			
	1st	2nd	3rd	4th
Registration	May 4	June 1	June 29	July 27
Freshmen Orientation				July 27
Classes begin	May 4	June 1	June 29	July 28
Late registration fee	May 5	June 2	June 30	July 27
Last day to add course/fee for class change	May 6	June 3	July 1	July 29
Independence Day Observed			July 3	
Last day to drop and automatically receive a "W"	May 15	June 12	July 10	Aug. 7
All withdrawals after this date receive "F"	May 22	June 19	July 17	Aug. 14
Memorial Day Holiday	May 25			
Classes end	May 29	June 26	July 24	Aug. 21

* The Southern College summer term consists of four 4-week sessions. Students in attendance during the 1986-87 school year may register at any time during the week immediately preceding the session.

	1st Semester 1987-88	2nd Semester 1987-88
Faculty Colloquium	Aug. 14-16	
ACT and CLEP Exams	Aug. 21, 23	
Registration by appointment	Aug. 24, 25	Jan. 4
Classes begin	Aug. 26	Jan. 5
Late registration fee	Aug. 26	Jan. 5
Fee for class change	Sept. 1	Jan. 13
Last day to add course	Sept. 9	Jan. 19
Senior Class organization	Sept. 24	Jan. 21
Mid-term ends	Oct. 15	Feb. 26
Mid-semester vacation	Oct. 16-18	Feb. 26 - Mar. 6
Alumni Homecoming	Oct. 30 - Nov. 1	
Last day to drop automatically receive a "W"		Mar. 11
Advisement Period		Mar. 14-25
Thanksgiving		
Senior deadline for correspondence		Apr. 4
All withdrawals after this		
Co	Dec. 4	Apr. 8
Se		Apr. 10, 11
Co	Dec. 14-17	Apr. 25-28
Ch	Dec. 17	May 1
	Dec. 18 - Jan. 3	

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